Index to the Supplement

TO

THE CALCUTTA GAZETTE

FROM

JULY TO DECEMBER 1888.

SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, JULY 4, 1888.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.

DISTRICT ROAD FUND.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

GENERAL—ROAD CESS.

No. 2552R.C.

Dated Calcutta, the 29th June 1888.

READ—

Letter from the Accountant-General, Bengal, No. 151L.F., dated 18th June 1888, submitting an abstract of the receipts and expenditure of the several District Road Committees in Bengal for the quarter ending 31st March 1888.

RESOLUTION.—The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees for the fourth quarter of the year 1887-88 be published in the *Calcutta Gazette* and circulated to the officers concerned.

ORDER.—Ordered that a copy of this Resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette*.

Ordered also that a copy of this Resolution, and of the abstract referred to, be forwarded to the Commissioners of the Rajshahye, Bhagulpore, Chittagong and Chota Nagpore Divisions; to the Superintending Engineers of the Eastern and Western Circles; and to the Financial Department of this Government, for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

Under-Secretary to the Govt. of Bengal,

P. W. Dept.

DISTRICT

Statement of Receipts and Expenditure of the several District Road

RECEIPTS.

Districts.	Balance in treasury on 1st January 1888.	Provincial rates. Cess on land.	Cess on mines and railways.	Cess on houses.	One per cent. road cess.	Total.	Interest on arrears of road cess.	Public Works. Road tolls.	Ferry tolls.	Total.	Irrigation. Canal tolls.	Miscel[laneous]. Rent of serais and staging bungalows.	Fees, fines and forfeitures.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.	Rs. A. P.
Cess Districts.													
Darjeeling ...	9,986 6 4	9,637 13 6	4,466 0 3	......	......	14,103 13 9	4 6 8	......	......	......	......	......	......
Hazaribagh ...	24,497 1 11	14,288 1 3	1,960 0 3	......	......	16,248 1 6	36 14 1	......	......	......	......	121 4 9	9 8 0
Lohardugga ..	31,375 4 4	32,363 13 10	0 3 0	......	......	32,364 0 10	17 8 1	......	......	......	......	6 4 0	94 0 0
Manbhoom ...	30,342 4 0	7,541 11 6	1,302 3 9	......	......	8,843 15 3	136 2 5	......	......	......	......	1,434 [illegible] 6	10 0 0
Total ...	96,201 0 7	63,831 8 1	7,728 7 3	......	......	71,559 15 4	194 15 3	......	......	......	......	1,561 9 3	113 8 0
Non-cess Districts.													
Chittagong Hill Tracts ..	4,623 9 5	......	......	......	......	......	......	......	......	......	......	......	......
Sonthal Pergunnahs	10,022 15 9	......	......	......	......	......	......	......	......	......	......	......	......
Singbhoom ...	7,922 0 2	3,705 9 6	64 7 6	......	......	3,770 1 0	......	......	......	......	......	141 0 0	......
Total ...	22,568 9 4	3,705 9 6	64 7 6	......	......	3,770 1 0	......	......	......	......	......	141 0 0	......
GRAND TOTAL ...	1,18,769 9 11	67,537 1 7	7,792 14 9	......	......	75,330 0 4	194 15 3	......	......	......	......	1,702 9 3	113 8 0

EXPEN[DITURE].

Districts.	Refunds. Cess.	Other receipts.	Total.	Provincial rates. Establishment and contingencies of office of collection.	Administration. Establishment and contingencies of Committee's office.	Percentage cost of establishment for offices of account and control.	Total.	Stationery. Stationery and printing.	Public Works. Original works.	Repairs.	Establishment.	Tools and plant.	Toll and ferry establishment and contingencies.
	Rs.	Rs.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.
Cess Districts.													
Darjeeling ...	......	......	......	350 10 9	354 8 3	......	354 8 3	33 5 0	11,377 4 11	6,187 12 10	936 6 0	24 9 0	[illegible]
Hazaribagh ...	......	......	......	231 3 9	311 11 11	......	311 11 11	29 12 0	......	11,939 7 7	1,959 2 9	100 7 6	[illegible]
Lohardugga ..	......	......	......	518 15 5	95 5 0	......	95 5 0	22 6 0	2,186 4 5	22,312 5 7	2,262 12 [illegible]	826 13 2	[illegible]
Manbhoom ..	......	......	......	338 4 5	441 6 6	......	441 6 6	54 11 6	3,324 12 8	10,130 7 3	1,589 12 0	62 14 9	[illegible]
Total ...	......	......	......	1,439 2 4	1,202 15 8	......	1,202 15 8	140 2 6	16,888 6 0	50,570 1 3	6,748 1 3	1,014 3 5	...
Non-cess Districts.													
Chittagong Hill Tracts ...	......	......	......	......	46 12 2	......	46 12 2	......	5,435 5 9	2,547 13 9	1,646 2 [illegible]	73 6 10	...
Sonthal Pergunnahs	......	......	......	......	251 13 0	......	251 13 0	......	553 10 0	6,427 10 3	1,730 13 0	1,374 7 5	...
Singbhoom ...	......	......	......	......	105 7 0	......	105 7 0	53 15 0	989 5 9	4,514 1 6	674 14 6	14 7 9	...
Total ...	......	......	......	......	404 0 2	......	404 0 2	53 15 0	6,978 5 6	13,489 9 6	4,051 14 3	1,462 6 0	...
GRAND TOTAL .	......	......	......	1,439 2 4	1,606 15 10	......	1,606 15 10	194 1 6	23,866 11 6	64,059 10 9	10,799 15 6	2,476 3	[illegible]

FORT WILLIAM,
The 26th May 1888.

ROAD FUND.

Committees for the fourth quarter of the year 1887-88 *ending* 31*st March* 1888.

…PTS.

…LANEOUS. Miscellaneous.	Total.	Grant from Government.	SUSPENSE ACCOUNT. Advances.	Deposits.	Total.	Total receipts.	Balance of imprest in hands of Engineer and others decreased.	Balance of uncashed cheques increased.	Total receipts including balance.	Outlay.	Balance in treasury on 31st March 1888.
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
	.. ..	469 12 8	6,800 10 10	. ...	6,800 10 10	21,378 11 11	... .	506 1 10	31,961 4 1	23,056 12 0	8,904 8 1
59 14 3	190 11 0	250 0 0	1,485 15 1	339 8 0	1,825 7 1	18,551 1 8	.	4,340 5 5	47,888 9 0	16,375 4 7	31,013 4 5
17 5 0	117 9 0	1,317 13 3	1,027 8 0	511 0 0	1,538 8 0	35,355 7 2	248 14 9	2,352 0 4	69,331 10 7	30,004 2 2	39,327 8 5
27 10 9	1,471 11 3	250 0 0	329 15 2	50 0 0	379 15 2	11,081 12 1	20 2 0	......	41,444 2 1	16,630 9 9	24,813 8 4
104 14 0	1,779 15 3	2,287 9 11	9,644 1 1	900 8 0	10,544 9 1	86,367 0 10	269 0 9	7,288 7 7	1,90,125 9 9	86,066 12 6	1,04,058 13 3
9,516 0 0	9,516 0 0	. .	2,179 0 0	... .	2,179 0 0	11,695 0 0	. .	2,151 15 3	18,470 8 8	11,416 9 3	7,053 15 5
99 0 9	240 0 9	......	2,293 13 0	. .	2,293 13 0	2,533 13 9	586 3 11	471 0 0	13,614 1 5	11,469 12 11	2,144 4 6
......	.. .	...	500 0 0	..	500 0 0	4,270 1 0	... ..	2,055 13 9	14,247 14 11	6,378 11 6	7,869 3 5
9,615 0 9	9,756 0 9	.. ..	4,972 13 0	..	4,972 13 0	18,498 14 9	586 3 11	4,678 13 0	46,332 0 0	29,265 1 8	17,007 7 4
9,719 14 9	11,536 0 0	2,287 9 11	14,616 14 1	900 8 0	15,517 6 1	1,04,865 15 7	855 4 8	11,967 4 7	2,36,458 9 9	1,15,331 14 2	1,21,126 4 7

DI·TURE.

Establishment of Divisional Superintendent of Works.	Total.	IRRIGATION. Canal tolls.	MISCELLANEOUS. Staging bungalow establishment and contingencies.	Staging bungalow, petty construction and repairs.	Miscellaneous.	Total.	Contribution to Provincial Government.	SUSPENSE ACCOUNT. Advance.	Deposits.	Total.	Total expenditure.	Balance of imprest in hands of Engineer and others increased.	Balance of uncashed cheques decreased.	Total outlay.
Rs.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs. A. P.
......	18,525 7 9	. .	..		—48 0 0	—48 0 0		3,840 12 3	....	3,840 12 3	23,056 12 0	.		23,056 12 0
......	13,999 1 10	... .	42 0 0	30 2 3		81 2 3	..	1,433 4 10	289 0 0	1,722 4 10	16,375 4 7	...	.	16,375 4 7
. .	27,5[?]8 3 8	......	46 8 0	265 2 1	32 10 0	344 4 1	.	1,324 0 0	111 0 0	1,435 0 0	30,004 2 2	..		30,004 2 2
......	15,107 14 8	... ..	.	93 8 3	.	93 8 3		144 12 5	450 0 0	594 12 5	16,630 9 9	.	. ...	16,630 9 9
......	75,223 11 11	......	88 8 0	307 12 7	—15 6 0	470 14 7		6,742 13 6	850 0 0	7,592 13 6	86,066 12 6	...	...	86,066 12 6
.... .	[illegible] 13 1	... .	..	.. .	...	...	...	19 0 0	1,648 0 0	1,667 0 0	11,416 9 3	... ..	.	11,416 9 3
.. .	10,086 8 8	. .	131 7 3		.. ..	131 7 3	...	1,000 0 0	...	1,000 0 0	11,469 12 11	..	..	11,469 12 11
......	6,192 13 0	......	... .	26 8 0	. .	26 8 0	...	.	...		6,378 11 6	.	..	6,378 11 6
......	25,982 3 3	......	131 7 3	26 8 0	. .	157 15 3	..	1,019 0 0	1,648 0 0	2,667 0 0	29,265 1 8	..	..	29,265 1 8
......	1,01,203 15 2	... ..	219 15 3	424 4 7	—15 6 0	628 13 10		7,761 13 6	2,498 0 0	10,259 13 6	1,15,331 14 2	......	... .	1,15,331 14 2

E. T. ATKINSON,

Accountant-General, Bengal.

ANNUAL REPORT OF THE ROYAL BOTANIC GARDEN, CALCUTTA, 1887-88.

FINANCIAL DEPARTMENT—MISCELLANEOUS.

Darjeeling, the 25th June 1888.

RESOLUTION.

READ-

The Annual Report of the Royal Botanic Garden, Calcutta, for the year 1887-88.

THE Report, which is one of considerable interest, shows that steady progress was made during the year. Among the plants cultivated in the garden, the largest demands were made for the *rhea* and the rain-tree (*Pithecolobium Saman*). Mahogany trees were also propagated and distributed to a great extent. Many valuable contributions from well-known botanists were made to the Herbarium during the year. Among these, the set of plants of the large natural order *Euphorbiaceæ*, which were placed at the disposal of Sir Joseph Hooker, are of special value, as they have been returned by him bearing in his own handwriting the names given to them in his *Flora of British India*. The Library of the Botanic Garden also received a valuable acquisition in the transfer to it from the Royal Gardens at Kew, through the courtesy of the Director, Mr. Thiselton Dyer, of the correspondence of Dr. Wallich, extending from 1794 to 1849. The remarks made by the Superintendent in paragraph 6 of the Report, on the subject of the potato blight in Sikkim and the Khasia Hills, will be communicated to the Agricultural Department for consideration.

2. The thanks of Government are due to Dr. George King, F.R.S., for his admirable management of the garden during the year.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

No. 21G, dated Calcutta, the 15th May 1888.

From—DAVID PRAIN, ESQ., M.A., M.B., Acting Superintendent, Royal Botanic Garden, Calcutta,

To—The Secretary to the Government of Bengal, Financial Department.

I HAVE the honour to submit herewith the One Hundred and First Annual Report of the Royal Botanic Garden.

ANNUAL REPORT OF THE ROYAL BOTANIC GARDEN FOR THE YEAR 1887-88.

No great change occurred in the garden during the year. Some minor improvements were effected. One more entrance gate was provided with a suitable durwan's lodge. A new road was made from the picnic banyan to the tree-nursery. This supplies a felt want, and forms the first instalment of a road system that will open up the part of the garden occupied till 1872 by the Agri-Horticultural Society, where the shrubs and trees are now in a condition worthy of being exhibited. This system will provide an alternative entrance to the gardens from the Andul Road. A considerable portion of one of the conservatory houses was replanted. Plants of the giant water lily (*Victoria regia*) were grown in several of the garden lakes. They attracted visitors largely, and though, as is usual, nearly all perished in the cold weather, seedlings have been raised in the nurseries for the ensuing year. The season being favourable to vegetation, and the number of plants exceeding that of former years, the show of orchids was finer than ever. Five separate attempts at encroachment on the boundary of the garden have been made during the year. All of these were successfully repelled, but the frequency of the occurrence, which has taken place in spite of the existence of a well-defined series of boundary pillars, has rendered it necessary to address Government for instructions as to the best means for preventing such disputes.

Economic plants.

2. Notwithstanding the failure of parties interested to devise a satisfactory machine for cleaning *Rhea* fibre, this plant has been in greater request than ever. The demand for seeds and plants of the rain-tree (*Pithecolobium Saman*) was very

extensive. This tree, a native of America, the history of whose introduction is narrated in the Garden Reports from 1878—81, is already well known in Bengal. Its timber is not valuable, but it grows rapidly, gives excellent shade, and is a useful nurse if planted with slower growing trees, to be cut down when the latter are sufficiently established. The reason for the suddenly increased demand was the statement that the rain-tree will grow on *Usar* soil, and that such soil can thus be reclaimed. *Usar* soil is barren: what is apparently meant is that the tree will grow on soil impregnated with *reh* salts. Such soil is not necessarily infertile, though without special treatment it may not afford crops except during the rains. The effects of the presence of trees may easily explain the absence of efflorescence of the *reh* salts without much improvement in the nature of the soil, nor would it be surprising to find that after a series of years of rain-tree cultivation analysis of the soil showed little change. But the cultivation of the tree is simple, and must increase the amenity of such districts; while its profuse crop of sweet pulpy pods, which cattle greedily eat, ripening as it does in April and May, supplies a valuable fodder when usually fodder is most scarce. Mahogany and other economic trees and plants were propagated and distributed to the fullest extent of which the garden is capable. A quantity of a special kind of wheat which grows in Mexico at an elevation of 11,000 feet was sent by the Secretary of State for India for experimental cultivation in Bengal. This was sent to Sikkim. It was received in March 1887, and had to be kept till October, the proper season for sowing. When it was sown unfortunately none of the seed germinated. In April 1887 a consignment of *Eragrostis Abysinnica*, or Teff, was also sent by the Secretary of State for India for experimental sowing. This grain is a native of Abysinnia at an elevation of 6,000 feet. It was sown both in Chota Nagpore and in the Sonthal Pergunnahs, but has not been successful in either locality.

Herbarium.

3. The Herbarium was considerably enriched during the year. A set of plants of the large natural order *Euphorbiaceæ*, which had been placed at the disposal of Sir J. D. Hooker while describing that family for the *Flora of British India*, has been returned by the author. Each sheet is named by the author's own hand, its value as a type specimen being thus rendered priceless. From Kew the Director, Mr Thiselton Dyer, C.M.G., has sent many valuable specimens; from St. Petersburg Dr. Regel and Mr. Maximowicz sent some valuable specimens which had been particularly asked for; Dr. Garcke of Berlin showed the same courtesy regarding some types which do not exist elsewhere; a beautiful set of Austro-Hungarian plants was presented by Dr. Kerner of Vienna; these, with a named collection from Mr. Medley-Wood of Natal and some critical specimens from Baron Von Müller of Melbourne, complete the extra-Asian contributions. Among Indian additions the chief place is due to the large and beautiful collection of rarities from Burma and the Shan Hills sent by General H. Collett, C.B. There were also received a fine collection from the Sikkim-Nepal frontier made by a Bhotea employed by Mr. Pantling, and an equally fine one made by a garden collector in the Chittagong Hill Tracts. Many rare things were also sent by Mr. G. Mann from Assam, Khasia, and Sylhet; Mr. J. F. Duthie of Saharanpur contributed a large number of named North-West Himalayan plants, and Major Sedgwick, R.E., a few interesting specimens from Kashmir.

4. Perhaps the most notable event of the year has been the transference of the correspondence of Dr. Wallich, Superintendent here between 1817—46, from the Library of the Royal Gardens at Kew to this Library. It constitutes 33 large volumes, and extends from 1791—1849. Some less valuable, but still highly interesting, botanical papers relating to Bengal and Assam accompanied the Wallichian correspondence. For the whole we are indebted to the good will and liberality of the distinguished Director of Kew, Mr. Thiselton Dyer, C.M.G., F.R.S.

5. The interchange and distribution department was particularly active. More plants were distributed than in any former year. This was in great measure due to the impetus given to roadside planting by the enlightened action of the Government of Bengal in the Department of Agriculture. Of plants 11,966 were received, against 67,854 given out. Of seeds 773 packets were received, against 2,714 given out. The names of all donors and recipients appear in the appendices to the report.

6. The Lloyd Botanic Garden at Darjeeling was under the charge of Mr. W. Kennedy. The ravages of potato-disease in Sikkim and the Kf Hills have given a shock to the introduction of English tubers recommended in former reports. The improvement of quality noticed in 1885-86 has not continued. In 1886-87 it was found that English seed generally had turned out waxy and tasteless. The deterioration in quality, in all probability due to altered climatic conditions, has been accompanied by impaired resisting power, and they have fallen a prey to disease. Without raising any question as to the source of the disease, which those interested in introducing English seed not unnaturally declare to have previously existed in India, or at least deny having introduced with English seed, the fact remains that English tubers are particularly liable to be attacked. It seems desirable that seed from Malta, Australia, or elsewhere, where the conditions of growth differ less widely from those in the Indian hills, be imported rather than English ones.

7. The budget allotments of both Calcutta and Darjeeling gardens were spent in full. At Calcutta Rs. 784-11-6 were realised from the sale of surplus plants, or Rs 615-4-6 below the amount estimated, and at Darjeeling garden produce brought in a revenue of Rs. 961-12—an excess of Rs. 661-12 over the amount estimated.

8. Dr. King was absent on privilege leave from 27th June to 20th September 1887, and his duties during the interval were undertaken by me in addition to my own as Curator of the Herbarium. Mr. H. Bahr was Curator of the garden during the year; Mr. W. Kennedy, as already stated, held charge of the Darjeeling garden; and Mr. William McHardy was Assistant Curator at Calcutta.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 30th June 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops
BENGAL.	*Western Districts.*		
BURDWAN DIVN.			
1	Burdwan June 30, '88	1·79	Weather—cool and overcast, but not wet. Rain has since fallen at Cutwa. The early rice and jute seedlings and the rice sowings, though injured by the drought, are safe for the present. More rain wanted.
	Culna ...	3·02	
	Cutwa ...	Nil	
	Raneegunge ...	0·84	
2	Bankoora " 30, '88	3·52	Weather—seasonable. Sufficient rain last week. Sowing of rice, which was interrupted for want of rain, has been resumed. Prices continue unaltered.
3	Birbhum " 30, '88	3·19	Weather—cool and cloudy at Sudder; hot at Rampore Hât. Sugarcane has suffered severly and irretrievably from the drought. *Dhan* seedlings have also suffered, especially in the north. Transplantation not begun. Heavy rain on 28th and 29th has done good in the Sudder, but there was hardly any in the sub-division, and much more is urgently wanted everywhere. Prices rising.
4	Midnapur " 30, '88	2·17	A local storm on 24th. On 28th heavy monsoon clouds and good rain. Rain again on 29th night. Some damage has been caused to the *aus* crop and to *amun* seedlings. As there was no water in the canal, even the protected area suffered. The drought prevented indigo manufacture being commenced, and all the leaves fell off the plant The present weather is, however, very forcing.
5	Hugli " 30, '88	3·02	Weather—cloudy. Some damage was done by the great heat to *aus*, jute and sugarcane, but prospects have improved with the recent rain.
	Jehanabad ..	2 26	
	Howrah July 2, '88	1 80	Weather—showery. Rain has done much good. If it continues, crops will do well.
	Ooloobéria ..	1 75	
	Central Districts.		
PRESIDENCY DIVN.			
6	24-Perghs. July 3, '88	0·37*	The monsoon set in on the 27th June, and the weather has since been showery and comparatively cool. The recent rain has improved the prospects of the crops. More rain wanted. Ploughing and sowing continue.
7	Nuddea June 30, '88	3·79	Weather—changeable and sultry. South-westerly winds prevail. In the Meherpur, Choondanga and Ranaghat sub-divisions more rain is required for early rice, which has been much damaged in Choondanga and Meherpur.
	Meherpur ...	0·31	
	Chooadanga ...	0·33	
	Ranaghat ...	1·18	
8	Khoolna " 30, '88	2 18	Weather - hot and clear till 27th afternoon, since which rains have set in. *Aus* promises well. Cultivation of *amun* in progress. More rain wanted for transplanting.
9	Jessore " 30, '88	4 83	Weather—less warm and seasonable. The rain of the 27th June has done immense good to the standing crops, but more rain is still wanted in some parts of the district.
	Jhenidah .	1·0[illegible]	
	Magoora	0 83	
	Narail ...	1 75	
	Bongong	0·75	
10	Moorshedabad " 30, '88	1·74	Weather—Beginning of the week intensely hot. Rain of the 28th afternoon cooled down temperature. Sky overcast on the 29th evening, but no rain *Aus* and *amun* plants suffering. Rain of the 28th will do good to some extent. More rain is sadly needed.
	Lalbagh ...	2·27	
	Kandi	0·86	
	Jangipur	1·08	
RAJSHAHYE DIVN.			
11	Dinagepur June 30, '88	2·82	Weather—showery with a good deal of cloud. The showers during the week have been beneficial to the crops, but heavier rain will soon be wanted for transplantation Jute has suffered in parts from short rainfall.
	Thakurgaon ...	3·86	
12	Rajshahye " 30, '88	0 19	Weather—cooler since the rain; cloudy. Rain is urgently wanted. Paddy, jute, and *til* are drying up. Both *aus* and *amun* appear to have suffered everywhere from want of rain. Rice sells at 22¾ seers per rupee.
	Nattore ...	0·80	
	Nowgong ..	1·40	
13	Rangpur " 30, '88	4 23	Weather—cloudy with heavy showers of rain from time to time. Prospects of crops continue good. *Aus* is being reaped, and *haimanta* transplanted.
	Nilphamari ...	6 75	
	Gaibandha ...	5·57	
	Kurigram ..	17·15	
14	Bogra " 30, '88	Nil	Weather—hot and muggy at the beginning of the week; cooler and wet at its end. Jute, *aus* and broadcast *amun* already sown are good. Want of rain delays the sowing of *amun* for transplanting. This is most seriously felt in the south-west of the district. Price of rice stationary.
	Sherpur ...	0·25	
	Nowkhilla	1·01	
15	Pubna " 30, '88	0·81	Weather—hot, cloudy, and latterly rainy. Prospects of crops continue good. Rain has done much good, but more is required.
	Serajgunge	1·04	
16	Darjeeling " 30, '88	3·04	Weather—sultry. On the whole prospects are favourable.
17	Julpigorie " 30, '88	12·92	The heavy rainfall of the week has cooled the weather. *Amun* seedlings doing well. Heavy rain has done much good to them. Jute and sugarcane promise well.
	Eastern Districts.		
DACCA DIVISION.			
18	Dacca " 30, '88	3·52	Weather—first part of the week very hot and the latter part cloudy and rainy and much cooler. Jute and rice plants are thriving. Recent rain has done much good to the standing crops Harvesting of jute commenced in parts of the Munshigunge sub-division; outturn expected to be good.
	Manickgunge ...	0·55	
	Munshigunge	2·44	
	Naraingunge ..	5·18	
19	Furreedpore " 30, '88	5·46	Weather—very hot in the beginning of the week; now seasonable. Good rain has fallen during the week, and the prospects of all crops have been much improved.
	Goalundo .	4 86	
	Madaripur	3·15	
20	Backergunge " 29, '88	Nil	Weather—hot. Prospects of crops good. Rain is wanted.
21	Mymensingh " 29, '88	1·51	Weather—hot and rainy. Prospects of crops good.
	Jamalpur ...	0 66	
	Kishoregunge ...	2·70	
	Attia ...	Nil	
	Netrokona ...	6·21	

* Rainfall for week ending 30th June.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*			
	***Eastern Districts*—concld.**		
Chittagong Divn.			
22	Chittagong July 3, '88	8·08	Weather—seasonable. Sowing of *aus* completed. *Amun* being sown in some places. Prospects of crops fair. Prices steady.
23	Noakholly June 29, '88	1·35	Weather—cloudy with occasional scanty rain. Some damage to *aus* is reported from Fenny and Begumgunge. The rains seem to have set in, and a few heavy showers will remove all anxiety.
	Fenny ...	0·82	
24	Tipperah „ 28, '88	1·82	Weather—seasonable. Rain, which was much wanted, has fallen, and prospects are good all round.
	Brahmunberia .	1·49	
	Chandpur ...	0·10	
25	Chittagong Hill Tracts. „ 26, '88	1·82	Weather—a heavy downfall of rain on the 25th ; cloudy to-day (26th), with light showers. Sowing of paddy by plough cultivators has been retarded for want of sufficient rain.
	Hill Tipperah „ 27, '88	1·21	Weather—hot and cloudy. Lands still being prepared for *amun* paddy. Sugar-cane not doing very well.
BEHAR.			
Patna Divn.			
26	Patna June 30, '88	0·11	Weather—very hot and sultry. For want of rain *bhadoi* sowings have been stopped. *Makai* and *cheena* plants of the early sowings are withering for want of moisture. Rain urgently wanted Prices of grains are rising daily.
	Behar ...	Nil	
	Barh ...	Nil	
27	Gya „ 30, '88	3·02	Weather—hot and cloudy. Sowing of *bhadoi* and paddy begun. More rain urgently wanted.
28	Shahabad „ 30, '88	0·03	Weather—exceedingly hot and close, occasionally cloudy, but marked by total absence of rain Rain is badly wanted for sowing of *bhadoi* and rice. Sugarcane promises well, being watered from canal and wells.
	Buxar ...	0·28	
	Sasseram ...	Nil	
	Bhabuah ...	Nil	
29	Durbhunga „ 30, '88	0·66	Weather—close. The rain has done much good, but more is much wanted. Price of common rice averages 18 to 19 seers per rupee.
30	Mozufferpur „ 30, '88	1·00	Weather—very hot in first part of week ; cooler during last three days. The protracted drought has done some damage to maize, paddy and indigo, but the rain, which has fallen during the latter part of the week, has done much good to the standing crops. More rain is wanted for transplantation of paddy.
	Hajeepur ...	Nil	
	Sitamarhi ...	0·60	
31	Sarun „ 30, '88	0·07	Weather—exceedingly hot and sultry. Rain is urgently required for the rice, *bhadoi* and indigo crops. Agricultural operations are almost at a standstill for want of rain.
	Sewan ...	0·13	
32	Chumparun „ 30, '88	1·44	Weather—cloudy and rainy. Rain has benifited the standing crops. *Murua* being transplanted and *makai* coming on More rain is needed for paddy transplantation. Indigo-mahai progressing.
Bhagulpore Divn.			
33	Monghyr „ 30, '88	Nil	Weather—very hot and sultry ; occasionally cloudy with indications of rain. Sowings stopped for want of rain. *Makai* plants and other *bhadoi* crops are withering.
	Beguserai ..	Nil	
	Jamui ...	Nil	
34	Bhagulpur „ 30, '88	Nil	Weather—a little cooler. The two northern sub-divisions have since date of their reports had some good rain, which will do much good, but on high lands the *murua*, early rice and late rice seedlings have suffered much. In south the *bhadoi* crop and rice seedlings, though freshened up, urgently require heavier rain.
	Banka ...	0·67	
	Mudehpurah ...	0·09	
	Soopole ...	0·17	
35	Purneah „ 30, '88	0·48	Weather—cloudy and not very hot. More rain is wanted in the south, where no appreciable mischief is done yet. Extremely favourable reports received from the north.
	Kishengunge ...	4·48	
	Arrareah ...	3·89	
36	Maldah „ 30, '88	0·85	Weather—much cooler ; sky overcast. *Bhadoi* crops and *amun* seedlings benefited by the rain. More rain wanted. Common rice 22¼ seers per rupee.
	Chanchal ...	Nil	
	Shibgunge ...	1·30	
	Gajole ...	0·20	
37	Sonthal Perghs „ 30, '88	·57	Weather—close till 28th, when rain fell ; still warm. Some good rain everywhere except at Deoghur, but too late, it is feared, to save the *jangra* and early *dhan* already sown If good rain now comes, it is not too late to sow both over again ; but more rain is urgently wanted, especially in Deoghur.
	Deoghur ...	0·22	
	Godda ...	1·60	
	Rajmahal ...	1·11	
	Jamtara ...	1·80	
	Pakour ...	1·37	
ORISSA.			
Orissa Divn.			
38	Cuttack June 29, '88	Nil	Weather—extremely hot and sultry, cloudy at times but no rain, causing general anxiety. Agricultural operations retarded. *Beali* and *sarad* plants are dying in many places for want of rain. Prices rising.
39	Pooree „ 28, '88	1·14	Weather—hot. Winter rice (*sarad* crop) has germinated in some places. Early rice (*beali*) is being weeded. Miscellaneous crops of the season are doing well. The Sub-divisional Officer states—"Some paddy already sown has not yet germinated. Much of the first sowings will most probably fail, representing a loss of seed grain about one maund per acre, besides labour." Common rice 21 seers 13 chittacks per rupee in the Sudder sub-division and 19 seers 12 chittacks in the Khoorda sub-division.
	Khoorda .	0·12	
	Balasore „ 29, '88	Nil	Weather—somewhat cooler. Clouds but no rain except 51 inch at Bhuddruck. Rice seedlings withering or dead for want of water. Rain urgently required.
CHOTA NAGPORE.			
	South-West Frontier Agency.		
Chota Nagpore Divn.			
41	Hazaribagh June 29, '88	1·04	Weather—very hot and dry. Rain last night (28th). Paddy seedlings withered. Sugarcane suffering. Severe scarcity of water and pasturage. Cattle enfeebled. Rain urgently wanted.
42	Lohardugga „ 30, '88	1·67	Weather—cloudy. Rain fell in the last three days of the week. More rain expected. Prospects of crops improving. Rain badly wanted in Palamow, where cattle are dying for want of pasture.
	Palamow ...	0·11	
43	Singbhoom „ 29, '88	0·54	Heat has been excessive. Slight rain on 23rd and 28th June. The *dhan* has suffered greatly and so also the Indian corn. If rain does not fall in a day or two, the whole crop (gora) will be lost.
44	Manbhoom „ 30, '88	1·72	Weather cloudy and cool. The late rain has done good, but more is urgently wanted for the sowing. Prices are rising.
	Govindpore ...	1·02	

Published for general information.

P. NOLAN.

Results of the Meteorological Observations taken at the Alipore Observatory from 24th to 30th June 1888.

Month.	Date.	Maxmm.m in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Due point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
June	24th	149 7	0 2	29·527	89 9	97 1	13 2	83·9	83·1	1 045	80 6	75	S and SSW ...	243	Nil	Chiefly cloudy, o.
,,	25th	?	4 5	·478	90·2	98 9	15 5	83 4	82 6	1·015	79·7	73	S, SW and SSW ...	253	Not measurable.	Chiefly cloudy, o, d.
,,	26th	151·6	6 6	·502	90 2	96 6	13 5	83 1	82 4	1·003	79 3	72	S and SSW ..	222	Nil	Chiefly cloudy, o.
,,	7th	157 3	4 2	·561	86 7	96 6	13·2	83·4	81·5	1 010	79 5	80	SSW and variable .	221	0·46	Chiefly cloudy, o, g, p, t, <
,,	28th	121·4	Nil	·565	83 1	85 3	7 6	77 7	80 3	0 995	79 1	88	SE and SSE ...	154	Nil	Cloudy, o, g, t.
,,	29th	129 7	0 7	·514	83 3	88 3	9 4	78 9	79 8	·974	78·4	85	SW by S and S	95	0·04	Chiefly cloudy, o, d.
,,	30th	154·5	2 6	·495	83 4	90 4	13·9	76 5	78 3	·903	76·2	79	NW by W and W ...	132	0·02	Chiefly cloudy, o, g, d.

	Inches.
The mean pressure of the seven days	29·520
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·518
	Hours.
The total number of hours of bright sunshine	18·8
The maximum possible number of hours of sunshine	94 3
	°
The mean temperature of the seven days	86 7
The average temperature of the corresponding period for 24 years, S. G.'s Office ...	84·2
The extreme variation of temperature	22 4
The maximum temperature	98·9
	Miles.
The highest velocity of the wind in one hour	20
	lbs.
The highest pressure of wind on one square foot	8
	%
The mean relative humidity	79
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	84
	Inches.
The total fall of rain from 24th to 30th June 1888	0 52
The average fall of the corresponding period for 24 years, S. G.'s Office ...	2·76
The total fall from 1st January to 30th June 1888	15·83
The average fall of the corresponding period for 24 years, S. G.'s Office ...	21·47

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, < lightning.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 2nd July 1888.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·621	29·646	—	SSW	418·0	90·7	23rd June	71·6	28th June	80·7	78·8	84·8	—	84·2
		Gopalpore	29·602	29·652	—·008	S	504·0	91·7	23rd "	80·8	25th "	88·8	83·4	86·1	+2·8	86·9
		False Point ...	29·613†	29·634†	+·048†	SSW	394·0	91·0	23rd "	77·1	5th "	90·0	80·4	85·2	+1·3	86·7
	Cuttack	Cuttack .	29·552	29·681	+·033	South-westerly	117·0	106·9	23rd "	80·9	29th "	100·2	83·1	91·7	+5·5	92·1
	Balasore	Balasore .	29·548	29·605	+·021	SW	228·7	105·5	24th "	79·7	29th "	100·7	82·6	91·6	+7·9	92·6
South-West Bengal.	South-West Midnapore; South 24-Pergunnahs	Saugor Island	29·581	29·607	+·018	SSW	583·0	94·7	28th "	82·5	28th "	92·6	84·3	88·4	+3·9	88·8
	Midnapore	Midnapore ..	29·448	29·595	+·094	S	168·6	107·4	23rd & 25th June	74·8	25th "	103·4	80·7	92·1	+7·1	94·0
	24-Pergunnahs ... ...; Howrah ... ...; Hooghly	Calcutta	29·569	29·590	—·013	SSW	202·0	98·9	26th "	75·2	23rd "	95·1	80·8	88·0	+4·3	88·3
	Burdwan	Burdwan	29·47·	29·569	—·020	S	13·9	104·2	25th & 26th June	78·4	28th, 29th June	103·6	82·5	91·6	+6·3	91·1
	Bankoora	Bankoora	29·252	—	—	Variable	168·0	109·1	26th "	71·6	23rd "	103·7	81·4	92·5	—	93·0
	Beerbhoom ... ...; West Burdwan	Raneegunge	29·228	29·528	—·002	SW	121·4	109·0	26th "	72·4	29th "	102·9	82·4	92·7	+7·6	93·0
	Moorshedabad	Berhampore .	29·503	29·570	—·014	SSW & SSE	137·7	101·2	26th "	71·8	23rd "	96·9	80·2	88·6	+3·3	80·0
	Nuddea	Krishnaghur .	29·531	29·597	—	S	182·7	101·8	26th "	72·8	23rd "	96·9	80·4	88·7	+4·0	90·1
	Jessore ... ...; Khoolna	Jessore	29·555	29·588	—·012	S	143·3	99·3	26th "	75·4	23rd "	95·6	80·3	87·9	+3·5	90·0
East Bengal.	Chittagong	Chittagong	29·614	29·704	+·034	SSE	158·0	90·1	23rd "	74·0	28th "	87·7	77·3	82·5	+0·8	82·9
	Chittagong Hill Tracts	Demagiri														
	Backergunge	Burrisal	29·620	29·632	+·021	S	214·8	92·8	27th "	76·4	28th "	91·3	81·7	86·5	+4·5	86·7
	Noakholly	Noakholly ..	29·618	29·682	—	SE	—	89·0†	26th "	74·8†	28th "	87·6†	81·1†	84·3†	—	—
	Furreedpore	Furreedpore	29·580	29·619	—·001	S	204·0	94·5	27th "	76·4	28th "	91·2	80·4	85·8	+3·3	86·2
	Dacca	Dacca	29·590	29·612	+·003	S	210·0	93·1	27th "	76·2	28th "	90·4	81·6	86·1	+2·7	86·3
	Commillah	Commillah	29·598	29·633	—·001	S	184·7	90·4	26th, 27th June	74·8	28th "	89·0	78·9	84·0	+1·7	85·2
	Mymensingh	Mymensingh	29·561	29·619	—·009	SSW	150·0	90·3	23rd, 24th June	75·1	28th "	87·0	78·1	82·6	+0·9	82·0
North Bengal.	Bogra ...	Bogra	29·510	29·57·	—·036	Southerly	142·0	94·8	27th "	73·8	29th "	91·0	78·9	85·0	+1·9	86·1
	Pubna ...	Serajgunge	29·549	29·595	—·006	SSE	129·0	93·1	27th "	75·7	28th "	90·3	79·8	85·0	+2·1	84·6
	Rajshahye	Rampore Beauleah.	29·512	29·581	+·008	SE	249·8	100·4	26th, 27th June	75·1	23rd "	96·1	79·8	87·9	+5·2	87·6
	Maldah	Maldah .	29·462	—	—	SE	118·9	103·9	23rd "	77·2	29th "	102·1	81·9	91·5	—	90·3
	Dinagepore	Dinagepore	29·471	29·591	—·017	ENE	158·0	90·1	24th "	75·1	29th "	86·1	77·3	81·7	—1·4	81·3
	Rungpore	Rungpore	29·480	29·606	—·057	E	119·0	86·3	24th, 25th June	73·7	29th "	84·9	74·9	79·9	-2·0	73·3
	Julpigoree ... ...; Cooch Behar	Julpigoree ...	29·322	29·612	—·042	NE & SE	115·4	96·5	24th* "	71·8	26th, 27th June	82·8	74·4	78·6	—3·0*	77·7
	Darjeeling Hill Tracts ...	Darjeeling	22·885	—	—·010	WSW & Calm	216·0	69·1	28th "	50·6	27th "	66·9	56·0	61·5	+0·1	62·2
North Behar.	Purneah .. ...; North Bhagulpore ...	Purneah .	29·443	29·568	—·038	ENE	59·2	(95·2	23rd "	73·6	28th "	91·8†	75·7	83·8†	—0·8	85·8
	Mozufferpore	Mozufferpore														
	Durbhunga	Durbhunga .	29·401	29·506	—·032	ESE	150·0	95·4	23rd "	76·8	29th "	93·7	81·2	87·5	+2·9	86·3
	Chumparun .. .	Motihari .	29·317	29·543	—·047	SE	199·0	99·8	26th "	71·8	28th "	95·1	77·8	86·5	+2·7	86·0
	Sarun ..	Chupra	29·349	29·542	—·029	Variable	165·8	100·5	26th "	80·0	28th "	94·5	82·6	88·6	+3·2	92·5
South Behar.	Shahabad	Dehree .	29·184	29·526	—·028	W	211·7	114·0	26th "	71·9	28th "	110·8	86·2	97·0	+13·1	98·6
		Buxar	29·293	29·535	—·019	Variable	178·0	108·9	24th "	78·7	29th "	104·6	84·8	94·7	+9·5	93·4
		Arrah .	29·343	29·535	—·011	Variable	141·9	108·9	26th "	81·5	29th "	104·9	84·1	94·5	+9·6	93·8
	Gya ...	Gya .	29·165	29·540	—·030	Westerly	195·6	112·1	26th "	76·8	27th, 29th June	107·7	78·2	93·0	+5·8	99·0
	Patna .	Bankipore	29·371	29·551	—·020	North-easterly	115·2	107·1	26th "	80·2	29th "	103·2	82·6	92·9	+5·4	92·2
	South Bhagulpore ..; Monghyr	Bhagulpore .	29·387	29·547	—·022	E	97	98·4	23rd, 24th, 26th, 27th June	77·0	29th "	95·8	80·7	88·2	+4·1	90·2
	Sonthal Pergunnahs ..	Doomka .	29·061	—	—	Variable	219·5	109·0	26th "	75·8	29th "	101·6	83·0	92·3	—	91·2
Chota Nagpore.	Hazaribagh	Hazaribagh .	27·612	29·553	+·028	NW	303·7	106·5	23rd to 26th June	72·6	29th "	102·1	81·0	91·6	+10·5	92·7
	Lohardugga ... ...; Manbhoom ..	Ranchee ..	27·482	29·539	+·009	North-westerly	195·6	106·5	24th "	70·5	29th "	99·7	79·1	89·4	+9·9	90·8
	Singhbhoom .. .	Chyebassa ...	28·813	—	—	SSW	80·0	109·3	23rd & 24th June	78·5	29th "	105·5	85·2	95·4	—	95·4
Assam.	......	Sibsagur .	29·341	29·674	—·006	NE	62·0	90·1	26th "	75·0	27th "	86·7	76·5	81·6	—2·5	81·5
	......	Dhubri .	29·509	29·627	—·058	NNE	169·3	83·2	24th "	72·3	26th "	79·5	73·7	76·6	—3·9	76·8
	......	Silchar .	29·57·	29·683	—·006	C	79·0	91·5	24th "	72·3	27th "	85·5	75·0	80·3	—3·1	80·3

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average of means of the reading during the same period for the last ten years. *The humidity* of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The ... are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past ... stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Mean of 5 days.
† Mean of 6 days.

for the week ending Friday the 29th of June 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	Rainfall since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
87	7.9	1.72	1.20	3.08	2.67	7.88	−5.21	4.40	9.60	−5.20	3.5	3.3	Pooree	Pooree	Orissa
79	4.3	0.21	—	—	—	—	—	—	—	—	—	—	Gopalpore	Pooree	Orissa
81	8.7	1.46	—	—	—	—	—	—	—	—	—	—	False Point	Pooree	Orissa
58	7.1	0.18	0.50	3.20	2.08	8.97	−6.89	4.35	11.09	−6.74	2.4	3.5	Cuttack	Cuttack	Orissa
87	3.4	0.25	0.67	2.73	1.96	8.11	−6.15	7.17	10.71	−3.54	2.8	3.6	Balasore	Balasore	Orissa
79	9.4	0.10	0.39	2.65	1.10	9.48	−8.38	4.07	11.74	−7.67	1.3	4.0	Saugor Island	South-West Midnapore; South 24-Pergunnahs	South-West Bengal
57	2.6	2.38	1.96	2.37	4.09	9.23	−5.14	6.83	11.29	−4.46	3.2	3.7	Midnapore	Midnapore	South-West Bengal
73	8.4	1.04	2.07	2.18	6.46	9.60	−3.14	9.83	12.24	−2.41	3.1	4.5	Calcutta	24-Pergunnahs; Howrah; Hooghly	South-West Bengal
69	7.4	1.79	2.82	2.17	6.61	8.64	−2.03	8.2[illegible]	11.26	−3.04	3.7	3.8	Burdwan	Burdwan	South-West Bengal
65	6.3	3.75	3.16	2.97	5.24	9.53	−4.29	7.72	11.55	−3.83	3.8	3.9	Bankoora	Bankoora	South-West Bengal
59	7.9	1.69	2.51	2.76	5.29	9.66	−4.37	7.03	11.64	−4.61	2.5	4.0	Raneegunge	Beerbhoom; West Burdwan	South-West Bengal
79	10.0	1.74	1.91	2.38	5.29	9.15	3.86	7.29	12.26	−4.97	2.7	3.6	Berhampore	Moorshedabad	South-West Bengal
68	7.9	1.83	1.46	1.98	3.99	9.61	−5.62	5.92	13.11	−7.19	3.4	3.9	Krishnaghur	Nuddea	South-West Bengal
75	9.0	4.45	2.23	2.57	5.96	12.07	−6.11	7.06	15.35	−8.29	2.8	4.4	Jessore	Jessore; Khoolna	South-West Bengal
82	8.3	3.01	—	6.66		28.87			24.15			5.2	Chittagong	Chittagong	East Bengal
			—	3.8		19.79			23.88			5.0	Demagiri	Chittagong Hill Tracts	East Bengal
81	8.1	1.99	2.30	4.53	5.47	18.[illegible]6	13.29	6.92	22.65	−15.73	2.0	5.4	Barrisal	Backergunge	East Bengal
—	9.6	3.07	—	5.81		26.87			31.62			5.0	Noakholly	Noakholly	East Bengal
83	5.3	5.18	4.81	3.08	7.30	12.36	−5.06	10.19	16.69	−6.50	2.7	4.5	Furreedpore	Furreedpore	East Bengal
84	9.3	2.73	—	2.91		12.79			16.73			4.2	Dacca	Dacca	East Bengal
81	5.9	2.77	—	3.13		16.28			20.60			4.8	Commillah	Commillah	East Bengal
90	9.4	2.64	5.18	3.69	11.53	16.67	−5.14	25.12	21.22	+3.90	4.8	4.5	Mymensingh	Mymensingh	East Bengal
82	6.7	1.40	1.48	3.36	5.39	12.53	−7.14	14.49	16.97	−2.48	3.8	4.0	Bogra	Bogra	North Bengal
85	7.7	1.15	1.06	2.[illegible]6	4.37	10.97	−6.40	11.04	14.78	−3.74	4.0	4.2	Seraigunge	Pubna	North Bengal
76	4.7	0.18	1.[illegible]0	2.4	3.45	9.70	6.25	6.[illegible]1	13.05	−6.74	2.5	3.8	Rampore Beauleah	Rajshahye	North Bengal
69	6.[illegible]	0.85	0.70	3.[illegible]6	1.46	11.51	−10.05	3.9	14.33	−10.41	2.0	4.8	Maldah	Maldah	North Bengal
87	8.0	3.29	2.18	3.45	5.16	13.61	−8.45	12.77	17.89	−5.12	2.4	4.2	Dinagepore	Dinagepore	North Bengal
93	5.9	4.20	7.96	5.60	16.81	20.68	−3.87	26.13	28.08	−1.95	6.3	4.1	Rungpore	Rungpore	North Bengal
93	6.0	11.80	14.23	7.59	30.43	29.86	+0.57	36.91	38.97	−2.06	6.4	5.2	Julpigoree	Julpigoree; Cooch Behar	North Bengal
95	9.6	2.73	7.10	7.3[illegible]	18.68	28.34	−9.[illegible]6	23.46	35.34	−11.88	6.0	5.8	Darjeeling	Darjeeling Hill Tracts	North Bengal
80	4.0	0.48	1.78	3.2[illegible]	4.99	[illegible]	−6.29	10.6[illegible]	14.39	−3.73	1.6	3.5	Purneah	Purneah; North Bhagulpore	North Behar
			0.62	2.05	3.40	7.29	3.89	4.72	8.70	−3.98	1.7	3.0	Mozufferpore	Mozufferpore	North Behar
78	6.[illegible]	0.66	0.88	2.68	5.04	7.88	−2.84	7.88	9.34	−1.46	1.7	3.2	Durbhunga	Durbhunga	North Behar
76	7.0	1.12	2.46	2.57	4.90	7.[illegible]6	−2.86	7.44	9.11	−1.67	3.5	3.0	Motihari	Chumparun	North Behar
74	2.7	0.05	1.05	2.76	2.30	6.39	−4.09	3.22	7.49	−4.27	2.3	3.4	Chupra	Sarun	North Behar
41	2.4	0.11											Dehree	Shahabad	South Behar
53	3.9	0.46	0.62	2.15	1.11	4.66	−3.55	1.67	5.58	−3.91	1.0	3.4	Buxar	Shahabad	South Behar
47	2.3	0.03											Arrah	Shahabad	South Behar
46	6.6	3.02	45	2.04	2.09	5.30	−3.[illegible]1	2.47	6.67	−4.20	1.8	3.1	Gya	Gya	South Behar
61	7.1	Nil	0.3	2.22	1.05	5.98	−4.93	2.15	7.41	−5.26	0.5	3.1	Bankipore	Patna	South Behar
67	2.6	9.01	58	2.23	2.03	6.67	−4.64	3.95	8.29	−4.34	0.6	3.3	Bhagulpore	South Bhagulpore; Monghyr	South Behar
61	0.6	1.95	2.09	2.59	3.74	8.60	−4.86	5.61	11.04	−5.43	2.3	3.9	Doomka	Sonthal Pergunnahs	South Behar
41	6.9	0.80		2.43		7.99			9.66			4.1	Hazaribagh	Hazaribagh	Chota Nagpore
52	4.7	1.67		2.69		7.56			9.57			4.1	Ranchi	Lohardugga	Chota Nagpore
44	4.3	0.56	1.96	2.59	2.97	7.93	−4.96	4.14	9.59	−5.45	4.0	4.6	Ranchi	Manbhoom	Chota Nagpore
88	9.4	1.83	0.77	2.53	2.44	8.17	−5.73	4.61	10.74	−6.33	3.0	4.4	Chyebassa	Singbhoom	Chota Nagpore
95	10.0	26.06											Sibsaugor	......	Assam
87	9.7	9.47											Dhubri		Assam
													Silchar		Assam

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. ...denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean ... years. The means of the district are the numerical average of the rainfall return receive[d from] the district, i.e. from total rainfall at the sub-divisional ...

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 29th of June 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 23rd June.	Sunday, 24th June.	Monday, 25th June.	Tuesday, 26th June.	Wednesday, 27th June.	Thursday, 28th June.	Friday, 29th June.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	...	0·15	0·60	...	...	0·26	...	3	1·01	2·12	7·57	6·18	9·04
		Khurdah ...	...	0·01	0·01	...	0·10	0·85	0·04	5	1·01	3·53	9·18	4·80	11·29
		Banpur ..		...	0·14								7·02		7·93
		False Point ...	...	0·41	0·41	...	...	0·64	0·31	4	1·77	2·61	7·76	3·86	10·16
		Gop ...	...	0·20	...	0·20							?		?
		Pipli ..											?		?
	Cuttack ...	Jagatsingpore	...	...	0·05	...	...	0·55	0·47	3	1·07	4·83	6·94	5·74	8·36
		Banki ...	...	...	0·12	...	...	...	...	1	0·12	1·01	9·32	4·11	11·12
		Cuttack ...	...	0·09	0·07	...	...	0·45	0·13	4	0·74	2·57	10·90	5·87	13·80
		Kendrapara ...	...	...	...	...	...	0·33	...	1	0·33	1·77	8·26	4·75	10·28
		Jajpore ...	...	...	...	...	...	...	0·25	1	0·25	0·25	9·37	3·50	11·90
		Dharmsalla .	...	...	...	...	...	...				4·38	?	6·68	?
		Salipore ...											?		?
	Balasore ...	Chandbali ...	...	0·20	0·21	...	...	...	...	2	0·41	0·60	7·60	3·51	9·87
		Bhuddruck ...	...	...	0·51	...	...	...	0·11	2	0·62	0·58	8·50	6·11	11·56
		Sorah ...	...	...	...	...	...	...	...	Nil	Nil	3·40	6·40	8·09	9·57
		Balasore ..	...	...	...	...	...	...	...	Nil	Nil	1·11	8·28	6·43	10·89
		Jellasore ..	...	...	...	...	0·46	0·13	0·30	3	0·89	2·10	7·81	9·45	10·52
		Baripodah ...	0·20	...	...	...	0·13	0·69	1·05	4	2·07	3·00	10·06	9·40	11·79
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	...	...	...	...	0·70	...	...	1	0·70	0·93	9·28	4·71	11·37
		Saugor Island	...	...	0·10	...	...	...	...	1	0·10	1·09	9·60	4·87	12·05
		Tumlook ...	...	...	...	...	1·70	0·10	...	2	1·80	4·20	9·11	7·16	11·50
		Midnapore ...	...	0·50	0·78	...	...	0·41	0·48	4	2·17	3·36	8·53	5·86	10·51
		Ghattal ...	...	...	0·02	...	0·18	2·39	0·11	4	2·70	5·51	10·03	8·92	11·84
		Kukrahaty ...	...	...	...	...	0·42	...	0·10	2	0·52	2·59	?	4·91	?
		Heria ...	...	...	...	...	...	0·18	0·61	2	0·79	0·91	?	6·38	?
		Bhagwanpore	...	...	0·15	...	...	...	0·85	2	1·00	2·24	?	7·34	?
		Garbeta ...	...	...	...	...	0·20	0·47	1·85	3	2·52	5·24	?	6·54	?
	24-Pergunnahs	Diamond Harbour	...	...	...	...	...	0·06	0·30	2	0·36	1·28	9·59	3·47	11·80
		Canning Town	0·17	...	...	...	0·25	0·14	0·04	4	0·60	3·79	?	5·90	?
		Alipore Jail ..	0·72	...	...	...	0·31	0·02	0·04	4	1·09	3·[illegible]0	10·09	6·81	12·52
		Barrackpore...	0·15	...	...	...	1·35	0·15	...	3	1·65	6·17	10·10	9·95	12·31
		Dum-Dum ...	1·56	...	...	...	0·76	...	0·04	3	2·36	3·29	9·67	8·56	12·52
		Baraset ..	1·30	...	...	...	1·45	0·01	0·02	4	2·78	9·71	9·17	12·07	11·05
		Busserhat ...	0·07	...	...	...	0·63	...	...	2	0·70	8·28	10·72	10·00	14·45
	Howrah ...	Howrah ...	1·32	...	...	...	1·43	...	0·04	3	2·79	4·62	9·93	9·43	12·14
		Moheshreka (*Uoloberiah.*)	0·05	...	...	...	1·19	0·17	0·09	4	1·[illegible]	3·5[illegible]	8·92	6·83	11·50
	Hooghly ..	Serampore ...	0·23	...	...	...	1·41	0·09	...	3	1·73	5·80	9·41	9·45	11·51
		Hooghly ...	0·72	...	...	...	2·30	...	...	2	3·02	12·09	8·84	14·82	11·50
		Jehanabad ...	1·54	...	...	...	0·72	0·49	...	3	2·75	7·80	9·13	10·46	11·89
	Burdwan ...	Culna ...	1·70	...	...	...	1·32	0·05	0·60	4	3·67	7·10	8·25	8·25	10·47
		Burdwan ...	0·39	...	...	...	0·38	0·55	0·47	4	1·79	4·30	7·01	6·14	10·72
		Cutwa ...	1·39	...	...	...	...	1·29	0·33	3	3·01	9·26	9·71	10·98	12·[illegible]6
		Raneegunge ..	0·84	...	...	...	...	0·81	0·03	3	1·[illegible]8	5·13	7·63	6·11	9·71
		Mankur ...	0·15	0·41	...	...	...	0·96	...	3	1·52	2·27	?	5·72	?
	Bankoora ...	Bankoora ...	0·55	...	...	...	0·20	2·60	0·17	4	3·52	6·34	9·16	8·80	11·41
		Bishenpore ...	0·12	...	...	...	0·27	0·53	2·71	4	3·63	4·50	8·69	6·26	11·89
		Mahara ...	0·71	...	...	0·12	...	0·46	1·30	4	2·59	5·02	8·73	7·25	10·53
		Khatra ...	...	...	...	...	0·20	2·58	0·06	3	2·84	5·09	10·54	8·54	12·28
		Indas ..	0·60	...	...	...	0·21	0·07	0·49	4	1·[illegible]7	4·[illegible]7	?	7·47	?
		Kotalpore ...	0·98	...	...	...	0·81	0·11	0·55	4	2·43	5·39	?	7·42	?
		Anda ...	...	...	...	...	0·60	1·30		2	1·90	2·87	?	3·12	?
		Gangajalghati	1·90	...	...	...	0·40	1·02	...	3	3·32	5·85	?	7·35	?
		Raipore ...	...	0·25	...	...	0·40	1·00	...	3	1·65	2·95	?	5·75	?
		Sonamukhi .	0·50	...	...	...	...	0·64	0·77	3	1·91	3·98	?	7·00	?
	Beerbhoom	Bh. Soory ..	0·40	...	...	...	...	2·79	...	3	3·19	6·00	9·98	7·[illegible]2	12·18
		Hetampore ..	...	...	...	...	1·29	0·25	...	2	1·54	4·24	11·15	5·92	12·85
		Rampore Haut	1·98	...	...	...	...	1·40	0·25	3	3·63	6·6[illegible]	9·7[illegible]	9·30	11·[illegible]7
		Bolpore ...	...	...	...	...	...	0·73	0·74	2	1·47	4·49	?	6·77	?
		Murari ...	0·20	...	...	...	...	1·40	0·09	3	1·69	?		?	
	Nuddea ...	Ranaghat ..	0·64	...	...	...	0·42	0·13	0·64	4	1·22	5·19	9·50	6·26	12·34
		Kishnaghur ...	0·31	...	...	...	1·42	0·04	2·02	4	3·79	7·41	8·78	8·31	11·48
		Chooadanga .	0·03	...	...	...	0·22	0·03	0·85	4	1·18	2·93	9·24	8·30	13·76
		Meherpore ...	0·31	...	...	...	...	...	0·32	2	0·63	3·49	9·51	7·16	12·79
		Kooshtea ...	...	...	...	...	0·06	0·38	0·06	3	0·50	0·92	11·02	2·53	15·17
	Khoolna ..	Satkhira ..	0·12	...	...	...	0·60	0·03	...	3	0·75	4·66	12·28	4·96	15·19
		Bagirhat ..	...	...	...	...	...	2·00	...	1	2·00	5·60	13·60	6·50	16·96
		Khoolna ..	0·58	...	...	...	0·78	0·29	0·02	4	1·67	4·44	12·67	5·62	15·46
	Jessore ...	Narail ...	...	...	...	...	0·94	0·81	0·84	3	2·59	3·70	11·16	4·94	14·09
		Jessore ...	0·10	...	...	...	4·35	...	0·42	3	4·87	9·19	12·51	10·13	15·99
		Jhenidah ...	...	...	...	...	0·40	0·63	1·71	3	2·74	6·90	12·55	8·12	16·10
		Magoorah .	...	...	...	...	0·55	0·28	1·64	3	2·47	8·03	11·53	11·0[illegible]	15·65
		Bongong ..	0·55	...	...	...	...	0·20		2	0·75	4·4[illegible]	10·23	5·81	13·30
	Moorshedabad	Kandi ..	...	...	...	...	...	0·86	...	1	0·86	6·62	9·30	8·33	11·69
		Berhampore ..	0·76	...	...	...	...	0·94	0·04	3	1·74	4·22	9·22	6·32	13·35
		Lalbagh ...	0·59	...	...	...	...	1·59	0·09	3	2·27	4·61	9·08	6·69	12·38
		Azimgunge ...	0·85	...	...	...	0·75	1·10	0·01	4	2·71	6·23	9·41	8·29	12·72
		Jungipore .	...	...	...	...	...	1·08	0·12	2	1·20	3·75	8·59	6·03	11·60
		Lalgola ...	...	...	...	...	0·80	1·85	0·05	3	2·70	6·38	9·24	8·06	12·54
		Akhrigunj ...	...	...	...	...	0·40	0·35	0·15	3	0·90	6·54	?	8·49	?
		Patkabari ..	...	...	...	...	...	0·75	0·95	2	1·70	5·19	?	9·84	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	2·71	0·15	0·32	0·68	0·03	0·25	1·73	7	5·87	11·27	35·20	20·67	38·68
		Chittagong ...	0·09	...	0·07	...	0·28	0·36					24·[illegible]4		29·59
		Kutubdia ...	0·07	...	1·61								?		?
		Patkanya ...	...	...	1·03								?		?
	Chittagong Hill Tracts.	Rangamati ...	0·27	0·05	1·40	0·04	...	0·17	0·15	6	2·08	7·56	18·64	13·27	21·11
		Rooma ...			...	..							20·92		24·63
	Backergunge	Patuakhally ..	...	...	...	...	0·05	2·00	0·15	3	2·20	5·72	21·93	7·63	26·39
		Perozepore	0·01	...	...	...	1·2[illegible]	1·36	...	3	2·58	7·78	16·03	9·73	19·39
		Burrisal ...	...	...	...	...	...	1·80	0·02	2	1·82	4·94	15·7[illegible]	6·23	19·96
		Bhola ..	...	...	...	...	...	2·46	...	1	2·46	3·90	21·29	5·29	24·83

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 29th of June 1888—*contd.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 23rd June.	Sunday, 24th June.	Monday, 25th June.	Tuesday, 26th June.	Wednesday, 27th June.	Thursday, 28th June.	Friday, 29th June.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—*concld.*		*Gournaddi* ...	......	......	......	......	0·73	1·25	0·16	3	2·14	6·91	?	9·38	?
		Baunhal ...	......	......	......	......	......	2·00	0·09	2	2·09	5·19	?	6·33	?
	Noakholly ..	Noakholly ..	......	......	0·03	0·03	0·85	0·44	0·50	5	1·85	6·13	25·40	12·03	30·17
		Fenny ..	0·50	......	......	......	0·17	1·23					28·23		33·04
		Harishpore ...	0·04	......	......	0·20	1·75						?		?
		Ramganj ...	......	......	......	0·22	0·47	2·35					?		?
	Furreedpore ..	Madaripore ...	......	......	......	......	......	3·15	1·00	2	4·15	6·93	13·06	8·76	17·33
		Furreedpore...	......	......	......	......	1·00	3·75	0·33	3	5·08	7·71	12·39	10·50	17·40
		Goalundo ...	......	......	......	......	1·10	3·76	0·41	3	5·27	7·63	11·64	11·25	15·36
	Dacca ...	Munshigunge	......	......	......	......	2·44	2·53					15·49		20·00
		Dacca ...	......	......	......	......	0·78	2·18	0·56	3	3·52	7·77	13·06	12·18	17·28
		Naraingunge	......	......	......	......	2·14	3·04	0·50	3	5·68	13·61	12·01	15·93	15·88
		Manickgunge	......	......	......	......	0·51	2·78	0·18	3	3·47	6·24	9·71	11·24	13·72
		Joydebpore ...	......	......	......	0·02	1·01	1·09	1·24	4	3·36	9·68	?	18·96	?
	Hill Tipperah	Agartola ...	......	0·86	0·25	0·10	2·44						14·17		18·53
	Tipperah .	Comilla ...	......	0·20	......	0·02	1·60	0·20	......	4	3·02	4·63	18·72	10·90	21·24
		Chandpore ..	......	......	......	......	2·90	0·70	......	2	3·60	9·70	17·05	11·15	21·20
		Brahmunberia	......	......	1·49	0·07	5·04	2·10					14·58		19·44
		Ramchandra-pore.											?		?
		Nasirnagar...	......	......	1·00	......	2·24	0·50					?		?
		Daudkandi ...	......	......	......	......	1·07	2·94	0·21	3	4·22	9·24	?	11·92	?
		Kasba ...	......	2·25	......	......	3·00	0·46	0·50	4	6·21	13·24	?	21·01	?
		Laksham ...	......	......	......	1·74	0·22	0·53	0·20	4	2·69	4·86	?	9·37	?
	Mymensingh	Kishoregunge	......	......	0·56	2·00	3·02	1·54	1·34	5	8·55	18·23	18·75	39·04	23·64
		Atia (*Tangail*)	......	......	......	......	......	0·62	1·07	2	1·69	6·16	13·10	10·22	16·53
		Mymensingh	0·30	0·08	0·09	......	0·96	1·12	1·35	6	3·00	9·04	18·58	27·04	24·51
		Jamalpore ...	......	0·59	0·07	......	0·96	2·46	0·38	5	4·46	11·05	14·32	24·37	18·54
		Netrokona ..	......	0·63	0·83	0·14	4·41	0·20	1·10	6	7·31	14·55	19·60	30·54	22·70
		Subornakhally	......	......	......	......	1·90	0·30	0·60	3	2·80	10·39	?	21·71	?
		Durgapore ..	0·99	4·60	3·50	......	2·30	0·30					?		?
		Dewanganj ...	......	0·62	......	......	1·05	2·08	0·15	4	3·90	8·46	?	20·88	?
NORTH BENGAL.	Pubna ...	Pubna ...	......	0·09	......	0·05	0·10	0·51	0·06	5	0·81	3·66	10·76	6·17	14·42
		Serajgunge ...	......	0·04	......	......	1·00	......	0·27	3	1·31	5·47	11·16	15·91	15·10
	Bogra ...	Sherpore ...	......	......	......	......	0·17	0·08	0·34	3	0·39	2·13	12·12	9·53	16·64
		Nowkhilla ...	......	0·05	......	......	0·27	0·69	0·10	4	1·11	8·87	12·59	18·54	16·34
		Bogra ...	......	0·12	......	......	......	......	1·35	2	1·47	5·13	13·99	14·53	18·85
		Panchbibi ..	......	0·18	......	......	0·11	2·23	0·21	4	2·73	5·11	11·40	15·28	16·01
	Rajshahye .	Beauleah ..	......	......	......	......	0·12	0·02	0·05	3	0·19	2·58	9·46	4·09	12·57
		Nattore ...	......	......	......	......	0·80	......	1·60	2	2·40	4·31	9·92	8·51	13·49
		Naogaon ...	......	......	......	......	......	1·40	0·46	2	1·86	3·51	?	6·72	?
		Lalpore ...	......	......	......	......	......	0·58	......	1	0·58	3·11	?	5·57	?
		Manda ...	......	......	......	......	......	0·58	......	1	0·58	1·59	?	4·33	?
	Maldah ...	Maldah ...	......	0·05	......	......	0·49	......	0·31	3	0·85	1·39	[illegible]	2·62	13·43
		Chanchal ...	......	......	......	......	......	0·54	......	1	0·54	1·52	12·09	5·19	15·23
		Gajol ...	......	......	......	......	......	0·20	......	1	0·20	1·40	?	4·59	?
		Sibganj ...	......	......	......	......	......	1·30	0·80	2	2·10	3·24	?	5·74	?
	Dinagepore ...	Mohadebpore	......	0·02	......	......	......	0·80	2·30	3	3·12	3·72	12·92	7·18	17·05
		Churamon ...	......	0·03	......	......	......	0·52	......	2	0·55	2·60	12·74	6·67	16·04
		Rangunge ...	......	......	......	......	......	1·08	......	1	1·08	6·08	15·12	12·68	18·83
		Dinagepore .	......	1·40	......	......	......	1·42	......	2	2·82	7·86	15·51	22·58	20·51
		Baloorghat .	......	0·08	......	......	1·15	1·89	0·21	4	3·32	5·54	11·83	14·74	16·96
	Rungpore ...	Bhawanigunge (*Gydbanda*)	......	2·65	0·05	......	1·42	1·45	0·12	5	5·69	10·59	15·47	20·77	20·92
		Rungpore ...	0·85	0·35	0·10	......	0·25	2·57	0·24	6	4·36	11·38	18·77	21·63	25·72
		Kurigram ...	6·31	0·91	2·38	0·62	1·54	1·06	0·41	7	13·42	20·86	22·87	37·52	31·28
		Bagdogra ... (*Nilphamari*).	2·99	0·45	0·05	0·04	1·57	3·17	0·10	7	8·37	15·47	25·62	24·58	34·42
		Ulipore ...	3·00	1·75	......	......	......	2·29	......	3	7·04	14·83	?	22·24	?
	Julpigoree ...	Julpigoree ...	0·67	2·46	3·20	2·74	1·87	1·98	......	6	12·92	29·35	27·82	32·57	35·45
		Alipore Doar	1·33	2·18	5·66	5·25	6·25	2·27	0·31	7	23·24		?		?
		Fallacotta ...	6·68	2·93	2·17	4·06	4·41	2·14	0·39	7	17·68	30·02	?	33·42	?
		Debiganj ...	1·11	0·98	3·74	0·81	0·45	5·97	0·03	7	12·89	25·12	?	32·34	?
	Cooch Behar...	Dinhatta ...	2·95	4·31	4·05	2·55	3·35	2·28	0·04	7	19·53	36·49	26·95	43·71	37·27
		Cooch Behar ..	1·32	0·52	3·34	2·95	2·35	3·77	0·30	7	14·55	32·84	35·79	42·03	44·69
		Mickligunge .	......	0·32	2·02	2·82	1·31	2·21	......	5	8·68	24·98	26·67	34·07	35·84
		Matabhanga ..	0·83	0·85	0·17	3·18	1·63	2·77	0·03	7	15·46	25·49	32·11	32·21	41·63
	Darjeeling Hill.	Buxa .	......	1·45	0·23	3·86	1·01	3·51	0·21	6	10·27	37·72	44·36	46·25	58·04
		Silliguri ..	......	3·92	0·05	1·25	2·48	5·22	0·08	6	13·00	22·51	26·55	27·22	33·40
		Darjeeling ...	......	1·17	0·23	0·12	0·18	0·49	0·55	6	3·04	7·35	23·43	10·98	27·09
		Kalimpong ...	......	0·08	0·05	0·29	0·86	0·72	0·09	6	2·09	7·11	18·97	9·25	21·98
NORTH BEHAR	Purneah ..	Kissengunge	......	0·17	......	......	0·25	2·76	......	3	3·18	6·91	15·04	14·92	19·14
		Arrareah ...	......	0·72	......	......	......	2·42	......	2	3·14	10·12	13·36	13·49	15·88
		Purneah .	......	......	......	......	......	0·48	......	1	0·48	1·67	11·29	5·89	14·32
		Gondwara ...											?		?
		Balarampore	......	......	......	......	......	0·50	......	1	0·50	-	?		?
		Matiari ...	......	......	......	0·10	......	1·20	......	2	1·30	6·33	?	11·47	?
		Kaliaganj ...	......	1·13	0·88	0·16	0·13	5·50	......	5	7·80	15·57	?	18·51	?
	North Bhagulpore.	Madhipore ...	......	......	......	......	......	0·09	......	1	0·09	3·08	8·51	11·05	11·00
		Soopool ..	......	......	......	......	......	2·03	......	1	2·03	3·21	9·21	8·23	11·55
		Protabganj ...	......	......	......	......	3·65	1·00	......	2	4·65	7·10	?	8·43	?
	Durbhunga ...	Tajpore ...	......	......	......	......	......	......	......	Nil	Nil	3·93	7·47	4·87	8·61
		Durbhunga ...	......	......	......	......	0·03	0·59	0·04	3	0·66	6·30	7·75	9·09	9·32
		Madhubani ...	......	......	......	......	0·13	1·84	......	3	1·97	4·88	8·42	9·14	10·19
		Bahera ...	......	......	......	......	......	0·50	......	1	0·50	3·18	?	7·28	?
		Roshera ...	......	......	......	......	......	......	......	Nil	Nil	2·54	?	4·34	?
	Mozufferpore	Sitamarhi ...	......	......	......	......	0·10	0·50	......	2	0·60	3·56	7·98	5·86	9·41
		Mozufferpore	......	......	......	......	......	0·45	0·55	2	1·00	4·45	7·45	5·59	8·98
		Hajipore ...	......	......	......	......	......	......	0·26	1	0·26	2·20	6·47	6·43	7·79
		Paru ...	......	......	......	......	0·40	......	1·83	3	2·23	2·43	?	4·03	?
		Mahua ...	......	......	......	......	......	......	0·40	1	0·10	0·80	?	1·55	?
		Sauhar ...	......	......	......	......	0·09	1·32	......	2	1·41	2·83	?	5·75	?
		Pupri ...	......	......	......	......	0·47	0·50	......	2	0·97	2·62	?	7·12	?
	Chumparun ...	Motihari ...	......	......	......	......	0·25	0·76	0·43	3	1·44	4·14	7·40	6·83	[illegible]
		Bettiah ...	......	0·93	......	......	......	1·48	0·30	4	3·47	5·64	8·10	7·87	[illegible]
		Bagaha ...	......	0·60	......	......	2·05	2·52	1·20	4	6·37	9·82	?	12·05	?
		Burhurwa ...	......	......	......	......	0·06	1·73	0·12	3	1·91	5·05	?	6·23	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 29th of June 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 23rd June.	Sunday, 24th June.	Monday, 25th June.	Tuesday, 26th June.	Wednesday, 27th June.	Thursday, 28th June.	Friday, 29th June.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge	...	...	...	...	0·05	0·90	0·69	3	1·64	3·38	6·56	4·50	7·69
		Sewan	...	...	...	...	0·13	1·22	0·17	3	1·52	2·38	6·66	2·83	7·93
		Chuprah	...	...	...	...	0·14	...	0·37	2	0·51	1·19	5·96	2·25	6·94
SOUTH BEHAR	Shahabad	Buxar	...	...	...	...	0·14	...	0·37	2	0·51	1·27	4·76	2·14	5·43
		Dehree	...	...	...	...	0·07	...	1·35	2	1·42	1·64	3·36	2·27	4·89
		Bhuboosh	...	...	...	...	...	...	1·15	1	1·15	1·37	4·94	1·87	5·53
		Sasseram	...	...	...	...	...	...	...	Nil	Nil	0·52	4·63	0·75	5·32
		Arrah	...	...	...	...	...	...	...	Nil	Nil	0·77	5·65	1·35	6·82
		Mohania	...	...	...	...	...	...	0·50	1	0·50	2·00	?	2·00	?
	Gya	Aurungabad	...	...	...	...	0·14	...	1·09	2	1·23	1·66	5·47	2·54	6·77
		Gya	...	...	...	...	...	1·40	1·62	2	3·02	3·06	5·71	3·29	7·12
		Nowadah	...	...	...	...	...	...	0·84	1	0·84	0·96	5·08	1·05	6·55
		Jehanabad	...	...	...	...	...	0·50	0·30	2	0·80	2·71	4·89	2·98	6·19
		Arwal	...	...	...	...	...	...	0·14	1	0·14	1·29	?	2·01	?
		Daudnagar	...	...	...	...	...	...	...	Nil	Nil	0·20	?	0·20	?
		Sherrghati	...	...	...	...	...	...	...	Nil	Nil	Nil	?	Nil	?
		Rajauli	...	...	...	...	...	...	...	Nil	Nil	Nil	?	Nil	?
		Pakri Barawan	...	...	...	...	...	...	0·20	1	0·20	0·50	?	1·00	?
	Patna	Patna	...	...	...	...	...	...	0·11	1	0·11	1·73	6·71	2·52	8·30
		Dinapore	...	...	...	...	...	...	0·80	1	0·89		6·27		7·51
		Behar	...	...	...	...	...	...	...	Nil	Nil	0·11	6·18	1·60	7·64
		Barrn	...	...	...	...	...	...	...	Nil	Nil	1·10	4·74	2·40	6·18
		Bickram	...	...	...	...	...	...	0·70	1	0·70	2·00	?	2·50	
		Hilsa	...	...	...	...	...	...	0·23	1	0·23	2·18	?	3·09	
	Monghyr	Begoosarai	...	...	...	...	...	...	0·29	1	0·29	1·12	6·17	2·16	7·64
		Monghyr	...	...	...	...	...	...	...	Nil	Nil	1·24	6·16	4·20	7·85
		Jamui	...	...	...	...	...	...	1·67	1	1·67	3·54	6·13	4·48	7·53
		Gogri	...	...	...	...	...	...	...	Nil	Nil	1·32	?	4·32	?
		Sheikpura	...	...	...	...	...	...	2·14	1	2·14	2·64	?	3·94	?
	South Bhagulpore	Bhagulpore	...	...	...	...	...	...	...	Nil	Nil	1·92	7·53	6·00	9·17
		Banka	...	...	...	...	...	0·67	...	1	0·67	2·28	7·35	2·87	9·22
		Kolgong	...	...	...	...	...	...	...	Nil	Nil	3·20	?	7·08	?
	Sonthal Pergunnahs	Rajmehal	...	...	...	...	...	1·11	...	1	1·11	2·50	10·16	4·67	13·09
		Godda	...	...	...	...	0·10	1·50	...	2	1·60	3·93	6·57	0·57	8·98
		Pakour	...	...	...	...	...	1·37	0·03	2	1·40	4·63	10·11	6·64	13·18
		Nya Doomka	...	...	...	...	...	1·85	0·10	2	1·95	3·87	8·64	4·61	10·87
		Deoghur	...	...	...	...	0·22	0·07	2·40	3	2·69	3·21	8·00	4·41	9·93
		Jamtara	0·37	...	...	...	0·14	1·29	1·98	4	3·78	4·25	8·16	6·79	10·14
		Mahagama	...	...	...	...	...	...	1·72	1	1·72	2·35	?	?	?
		Nonihat	...	...	...	...	...	1·25	...	1	1·75	5·91	?	6·20	?
CHUTIA NAGPUR.	Hazaribagh	Pachamba (Giridi).	...	...	...	0·10	...	0·05	0·34	3	0·49	1·79	7·89	4·54	9·46
		Hazaribagh	...	...	...	...	0·05	0·50	0·43	3	0·98	1·62	6·09	2·35	8·22
		Semtaguran	...	...	...	...	...	0·19	...	1	0·19	0·58	7·76	1·00	9·39
		Manudi Hills											7·08		8·08
		Jhoomrah Hills											10·47		12·53
		Barhi	...	...	...	0·35	...	...	0·15	2	0·51	1·56	?	1·62	?
		Chatra	...	...	...	0·19	...	...	2·50	2	2·69	2·69	?	2·74	?
		Karagdeha	0·30	...	...	...	0·34	...	...	2	0·64	2·24	?	2·64	?
		Ramghar	...	...	...	...	0·15	1·34	0·08	3	1·57	1·57	?	2·92	?
	Lohardugga	Lohardugga	...	...	...	0·24	0·16	0·07	1·17	4	1·94	2·76	8·74	3·84	11·52
		Ranchi	...	...	...	0·25	...	0·67	0·47	3	1·39	2·63	8·47	4·35	10·47
		Palamow	...	...	...	0·16	0·13						5·67		0·72
		Silli	...	...	...	...	...	1·00					?		?
		Balumat	...	...						Nil	Nil	Nil	?	Nil	
		Hosseinabad	...	...	...	...	...	...	...				?		?
		Garwah	...	...	...	...	0·54								
	Singbhoom	Chyebassa	0·30	...	...	...	...	0·24	0·23	3	0·77	2·44	8·17	4·51	10·74
		Chakradharpore.	...	...	...	...	...	0·15	0·09	2	0·54	3·09	?	4·07	?
		Ghatsilla	...	...	...	...	...	0·70					?		
		Baharagura	...	...	1·10	...	...	1·03					?		
	Manbhoom	Purulia	...	...	...	0·09	0·92	0·58	0·14	4	1·72	3·70	8·51	4·68	10·58
		Gobindpore	...	...	...	0·74	0·28	0·45	0·72	4	2·19	2·23	7·32	3·58	8·57
		Raghunathpore.	...	...	...	...	0·11	0·30	1·11	3	1·52	2·07	?	3·10	?
		Barrabhoom	...	...	...	...	...	0·20	...	1	0·20	1·01	?	3·10	?
		Jhalda											?		?
		Chas											?		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 3rd July* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 29TH OF JUNE 1888.

THE week under review has been a noticeable one in the meteorological history of the year, as the monsoon rains have only commenced over the greater part of the province during the latter end of the week, and they have therefore been about two weeks later than usual. At the close of the previous week the monsoon current blowing from the Bay of Bengal was being deflected towards Burma and the eastern districts generally, and Assam had been receiving heavy rain for some considerable period. The area receiving rainfall was, however, gradually extending, and moderate to heavy rain was being received in the Rungpore, Julpigoree, Cooch Behar and Darjeeling districts of North Bengal; but the greater part of the remainder of the province had been almost rainless throughout the week ending the 22nd. A slight advance of humid winds had, however, taken place on this day in the western districts, as was shown by the rapid increase in the humidity in Behar, and moderate rainfall, apparently to a great extent brought about by a series of local storms, was reported on the 23rd from all the districts of South-West Bengal, except Midnapore and Moorshedabad. On the following day the area of rainfall contracted, and except at some of the stations in East and North Bengal, rainfall was practically absent from the province, and again ordinary hot weather conditions obtained over the greater part of Bengal. On the 25th and 26th, weather conditions had not changed to any material extent, except that there were slightly more favourable indications of the probability of the monsoon drifting over Bengal; but on the 27th a rapid and important change took place. On this day it almost appeared as if there had been a decided increase in the strength of the Bombay branch of the monsoon current; pressure rose rapidly in the western and central districts, and a south-westerly wind current set in at many of the stations in the centre and north of the province; and even at Darjeeling a strong south-westerly wind, averaging 21 miles an hour, was reported. With this sudden inrush of winds considerable interaction took place, and thunderstorms became numerous in the south of the province. On about the same day also the Bay of Bengal monsoon current commenced to spread over South-East Bengal, and it has since that day steadily advanced over the whole province, and from the 27th to the 29th considerable amounts of rain have been received. In South-West and East Bengal the general rainfall commenced on the 27th, and over a large part of North Bengal it began from about the 28th, except in the districts previously mentioned, viz., Rungpore, Julpigoree, Cooch Behar and Darjeeling, where rain has been reported throughout the week. In North Behar and Chutia Nagpur also rainfall generally commenced about the 28th; but in South Behar even on the 29th, rainfall, though fairly general, was still very partial in some districts. Finally, in Orissa rainfall was light and irregularly distributed throughout the week. The monsoon rains may therefore be said to have only broken in the province from about the 27th to the 29th, and as the usual date of commencement is from the 10th to the 15th, or, say, the 12th June, the rains have been quite a fortnight late in setting in.

In the previous week's report it was stated that the delay in the advance of the monsoon current over Bengal, so far as could be judged, was probably due to the existence of disturbed conditions off the West Pegu and Arakan coasts, and that there were also distinct indications of the continued existence of a feeble low-pressure area in that locality. With the setting in of the rains in Bengal, the whole of the indications above referred to have completely disappeared, and conditions now appear normal in the Bay. But with the disappearance of these conditions in the Bay, a feeble but distinct tendency to the formation of a low-pressure area has commenced in South and South-West Bengal. The appearance of this tendency to low pressure, and consequent cyclonic circulation of winds in South Bengal simultaneously with the disappearance of these conditions in the Bay, may be merely a coincidence, or it may be they are directly connected with each other; but perhaps the latter is more probable, though the evidence available is not sufficient to prove any distinct connection between the two, or to prove the transfer of the disturbance from the one area to the other.

Pressure.—For the earlier part of the week the oscillations of pressure were of little importance, but, as stated previously, a rapid rise took place on the 27th, which was coincident with the setting in of favourable conditions for the commencement of the rains. When the mean pressures of the various stations in the province from which observations have been received for a long series of years are compared with the normal for the week, the distribution of pressure is found to be very unusual. Thus pressure has been distinctly below the normal at the greater number of inland stations in the centre of the province, while to the west and east there are bands of comparatively higher pressure. At such stations as False Point, Cuttack, Saugor Island, and Hazaribagh, the mean pressure has been above the normal; and at the eastern stations, such as Dacca, Burrisal, and Chittagong, pressure has also been above it; while at Calcutta, Burdwan, and Jessore, and most of the inland stations, pressure has been very distinctly below the normal, the extreme variations being from an excess pressure of about 0·04 inch in the one case to a defect of 0·038 in the other. For the whole province these variations to a great extent neutralize one another, and the mean pressure is only in defect of the normal by three thousandths of an inch.

Temperature.—Owing to the almost complete absence of rainfall from the greater part of the province for the first four days of the week, temperature has again been rather largely in excess of the normal in all districts except North Bengal, where an almost normal temperature has been recorded. In Chutia Nagpur the mean temperature for the week

has been no less than 10·2° in excess of the normal, and in South Behar the excess has been 7·9°. In South-West Bengal and Orissa the excess has varied from 4° to 5°, and in East Bengal and North Behar it has equalled about 2°. For the whole province temperature for the week has been in excess of the normal by 4·6°. In Assam, on the other hand, the mean temperature has been in defect by 3·2°. Dehree again reports this week the very high maximum temperature of 114°, and Gya one of 112·1°.

Rainfall.—The period of the occurrence of rainfall has been previously recorded. The falls have been heaviest in North Bengal, which averages 5·24 inches, and has thus received a fall rather larger than the normal amount of 4·42 inches. In East Bengal an average fall of 3·90 inches is recorded, or almost absolutely the normal amount. In South-West Bengal a fall of 2·13 inches is recorded, or slightly lower than the normal for the week. The next largest fall is in North Behar, which averages 1·35 inches, or only about 50 per cent. of the amount usual at this period. In South Behar a fall of 1·04 inches is recorded, and Chutia Nagpur has received 1·01 inches, which amounts are about two-fifths of the normal falls; and finally, in Orissa a fall of only 0·65 inch has been received, which is only about a fifth of the usual amount.

In North Bengal some extremely heavy falls have been received during the week, and thus at Alipore Dooar (Julpigoree district) 23·24 inches has been received, at Dinhatta (Cooch Behar district) 19·53 inches, and at Fallacotta (Julpigoree district) 17·68 inches. Contrasted with these excessive falls, Sorah and Balasore in Orissa, Tajpur and Roshera in Durbhunga, Sasseram and Arrah in Shahabad, Daudnagar in Gya, Barrh in Patna, Monghyr and Gogri in Monghyr, Bhagulpore and Kolgong in Bhagulpore, and Hosseinabad in Lohardugga, have received absolutely no rain during the week.

The general districts in which the rainfall has been very scanty during the week are Pooree, Cuttack, Balasore, South-West Midnapore, South 24-Pergunnahs, Bogra, Pubna, Rajshahye, Maldah, Dinagepore, Purneah, Mozufferpore, Durbhunga, Sarun, Shahabad, Patna, South Bhagulpore, Monghyr, and Chyebassa.

In Assam excessive rain has been received during the week. Dhubri reports the extremely large fall of 26·06 inches, Silchar 9·47 inches, and Sibsagar 1·83 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 29th of June 1888:—

Meteorological Divisions	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rain days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	106·9	71·6	93·4	81·7	87·5	+4·3	0·65	2·98	−2·33	2·0	3·4	−1·4	2·01	8·35	4·52	10·54*
South-West Bengal	109·1	71·6	98·6	81·4	90·0	+5·0	2·13	2·35	−0·22	3·0	4·1	−1·1	5·29	9·87	7·48	12·60
East Bengal	94·5	74·0	89·2	79·9	84·5	+2·4	3·90	3·94	−0·04	4·0	4·7	−0·7	8·44	17·80	14·95	22·12
North Bengal	103·9	71·8	90·5	78·0	84·2	+0·5	5·24	4·42	−0·82	4·1	4·4	−0·3	11·90	17·27	18·78	22·87
North Behar	100·5	71·8	93·8	79·3	86·6	+2·0	1·35	2·74	−1·39	2·0	3·3	−1·3	4·21	8·54	7·21	10·12
South Behar	114·0	71·0	104·1	82·4	93·2	+7·9	1·04	2·35	−1·31	1·3	3·4	−2·1	2·10	6·47	3·43	8·08
Chutia Nagpur	106·5*	70·5*	100·9*	80·1*	90·5*	+10·2*	1·01	2·54	−1·53	3·0	4·2	−1·2	1·72	7·87	2·70	9·71
Assam	91·5	72·3	83·9	75·1	79·5	+3·2										

* Chyebassa not included.

Meteorological Office, Bengal;
The 3rd July 1888.

A. Pedler,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 24th to 30th June 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Hygrometry. Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
June ...	24th ...	89·2	98 0	13 3	84 7	83 1	1·052	80 8	77	
" ...	25th ...	89 4	100 0	16 3	83·7	82 5	1·018	79 8	73	
" ..	26th ..	89 8	98 0	14·3	83·7	82·0	·989	78·9	70	
" ..	27th ...	83 8	98 0	14·3	83·7	80 9	1·017	79 7	87	0·87
" ..	28th ..	81·1	85·9	7 1	78·8	79 5	·987	78 8	93	0·15
" ...	29th ...	81 6	89 5	10 5	79 0	79 8	·994	79 1	92	0 02
" ...	30th ...	83 3	92·0	15 0	77·0	80·3	·995	79 1	87	

				°
The mean temperature of the seven days	...	...	...	85·5
*The extreme variation of temperature	...	...	...	23·0
The maximum temperature	...	...	...	100 0
				%
The mean relative humidity	...	...	...	83
				Inches.
The total fall of rain from 24th to 30th June 1888		...	...	1·04

· The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 2nd July 1888.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

THE principal Municipalities in Bengal returned during the week ending 16th June 1888, the birth and death-rates of 17·3 and 23·3 per 1,000 of population, respectively, as opposed to 18·6 and 20 per 1,000 in the preceding week ending 9th June, indicating a fair advance in the registration of deaths with a falling off in that of births.

2. The Municipalities which returned the highest proportions of births and deaths are—

Births.

	Ratio per *mille.*
Durbhanga	46·4
Monghyr	33·4

Deaths.

	Ratio per *mille*
Burdwan	59·5
Gya	48·5
Durbhanga	41·7
Suburbs of Calcutta ..	32·1
Patna	29·9

3. The following table exhibits that, as compared with the results of the preceding week, there was an enhancement of mortality from all diseases, particularly from fever and the maladies coming under the head of "Other causes":—

	Ratio per *mille* during the weeks ending—	
	16th June 1888	9th June 1888.
Cholera	2·1	1·8
Small-pox	·2	·1
Fever	9·6	8·4
Bowel-complaints	2·8	2·4
Injury	·7	·6
Other causes	7·9	6·7

4. Of the above-mentioned diseases, while cholera proved noticeably fatal only in the Patna town, viz., at the rate of 8·5 per 1,000 of population, and the casualties from small-pox, bowel-complaints and injury were nowhere conspicuously large, fever and "other causes" caused the highest mortality in the following Municipalities:—

Fever.

	Ratio per *mille*
Burdwan	29·0
Durbhanga	22·0

Other causes.

	Ratio per *mille*
Gya	24·6
Muzufferpore	19·5
Durbhanga	1[illegible]·7
Burdwan	13·7
Puri	10·5
Suburbs of Calcutta	10·3
Bhagulpore ...	10·0

5. With regard to mortality referable to *Sex*, *Class* and *Age*, the rates stood as follow:—

According to Sex.

	Ratio per *mille.*
Males	23·6
Females	22·9
Ratio of male deaths to every 100 female deaths	116

According to Class.

	Ratio per *mille*
Christians	34·8
Hindus	23·0
Mahomedans ...	23·6
Buddhists ...	24·2

According to Age.

	Ratio per *mille.*
Under 1 year ...	211·4
1 and under 5 years ...	35·1
5 " 10 " ...	15·1
10 " 15 " ...	9·5
15 " 20 " ...	11·0
20 " 30 " ...	14·4
30 " 40 " ...	13·4
40 " 50 " ...	13·3
50 " 60 " ...	28·9
60 years and upwards ...	54·3

R. LIDDERDALE, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

The 30th June 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 10th June 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan	Burdwan	18,063	16,017	34,080	9	7	16	13·7	10·7	24·4	128	1	...	19	5	5	9	39	1·5	...	29·0	7·6	7·6	13·7	59·5	13·7	16	23	46·1	74·7	·69
Midnapore	Midnapore	16,927	16,633	33,560	3	4	7	4·6	6·2	10·8	75	...	...	1	1	...	1	3	...	...	1·5	1·5	...	1·5	4·6	9·3	...	3	...	9·4	No male death.
Hughli	Hughli and Chinsurah	19,179	19,539	38,718	11	7	18	14·8	9·4	24·2	157	1	...	3	1	1	1	7	1·3	...	4·0	1·3	1·3	1·3	9·4	9·4	5	2	13·6	5·3	250
Serampore	Serampore	13,559	12,937	26,496	4	2	6	7·8	3·9	11·8	200	1	...	4	2	...	3	10	1·9	...	7·8	3·9	...	5·9	19·6	43·2	2	8	7·7	32·2	25
	Utterpara	3,046	2,464	5,510	1	1	2	9·4	9·4	18·9	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28·3	...	...	...	...	......
Howrah	Howrah	53,153	37,660	90,813	19	15	34	10·9	8·6	19·5	126	3	...	1	1	1	4	10	1·7	...	·5	·5	·5	2·3	5·7	15·5	8	2	7·8	2·8	400
	Bali	7,836	6,979	14,815	...	2	2	...	7·0	7·0	No male birth.	...	...	...	...	...	1	1	...	...	...	...	...	3·5	3·5	14·0	...	1	...	7·5	No male death.
24-Pergunnahs	Suburbs of Calcutta	147,205	104,234	251,439	36	29	65	7·4	6·0	13·5	124	8	...	63	34	...	50	155	1·7	...	13·0	7·0	...	10·3	32·1	26·5	89	66	31·4	33·9	134
Nuddea	Kishnaghur	13,263	14,214	27,477	...	1	1	...	1·9	1·9	No male birth.	...	...	5	...	1	3	9	...	...	9·4	...	1·9	5·6	17·0	15·1	8	1	31·4	3·7	800
	Ranaghat	4,028	4,655	8,683	1	...	1	6·0	...	6·0	No female birth.	...	...	1	...	...	...	1	...	...	6·0	...	...	...	6·0	6·0	...	1	...	11·2	No male death.
	Santipore	13,708	15,979	29,687	1	3	4	1·7	5·2	7·0	33	...	...	6	...	...	...	6	...	...	10·5	...	...	...	10·5	1·7	2	4	·6	13·0	50
Jessore	Jessore	4,830	3,665	8,495	1	...	1	6·1	...	6·1	No female birth.	...	...	1	...	...	...	1	...	...	6·1	...	...	...	6·1	18·4	1	...	10·8	...	No female death.
Rajshahye	Rampore Beauleah	10,768	9,025	19,791	4	6	10	10·5	15·8	26·3	66	1	...	7	...	1	...	9	2·6	...	18·4	...	2·6	...	23·6	31·5	4	5	19·3	28·8	80
Darjiling	Darjiling*	5,029	2,947	7,976	1	1	2	6·5	6·5	13·0	100	...	...	3	1	...	...	4	...	...	19·5	6·5	...	...	26·1	19·5	3	1	30·9	17·6	300
Dacca	Dacca	42,782	37,379	80,161	5	5	10	3·2	3·2	6·5	100	1	...	9	1	1	6	18	·6	...	5·8	·6	·6	3·9	11·7	13·6	10	8	12·2	11·1	125
	Naraingunj	7,605	4,956	12,561	3	1	4	12·4	4·1	16·5	300	1	...	...	...	...	2	3	4·1	...	...	...	...	8·3	12·4	20·7	3	...	20·5	...	No female death.
Chittagong	Chittagong	13,340	8,790	22,130	4	3	7	9·4	7·0	16·4	133	2	...	5	...	...	..	7	4·7	...	11·7	...	...	...	16·4	28·2	4	3	15·6	17·7	133
Tipperah	Comillah	8,153	5,353	13,506	2	3	5	7·7	11·5	19·2	66	...	...	1	...	...	1	2	...	...	3·8	..	...	3·8	7·7	27·0	1	1	6·4	9·7	100
Patna	Patna City	78,762	81,475	160,237	23	18	41	7·5	5·8	13·3	127	27	1	33	9	1	21	92	8·8	·3	10·7	2·9	·3	6·8	29·9	18·5	47	45	31·0	28·7	104
Gya	Gya	38,290	37,831	76,121	21	14	35	14·3	9·6	23·9	150	3	2	24	4	2	36	71	2·0	1·4	16·4	2·7	1·4	24·6	48·5	32·8	36	35	48·9	48·1	102
Shahabad	Arrah	20,960	22,505	43,465	9	3	12	10·8	3·6	14·4	300	...	...	6	...	...	2	8	...	...	7·2	...	...	2·4	9·6	9·6	5	3	12·4	6·9	166
Mozufferpore	Mozufferpore	23,084	19,658	42,742	11	9	20	13·4	10·9	24·3	122	...	...	2	1	3	16	22	...	...	2·4	1·2	3·6	19·5	26·8	25·5	12	10	27·0	26·5	120
Durbhanga	Durbhanga	33,774	32,322	66,096	26	33	59	20·4	26·0	46·4	78	2	...	28	5	...	20	53	1·6	...	22·0	2·4	...	15·7	41·7	14·9	23	30	35·4	48·3	76
Sarun	Chupra	26,044	27,205	53,249	3	1	4	2·9	1·0	3·9	300	1	..	3	3	1	1	9	1·0	...	2·9	2·9	1·0	1·0	8·8	8·8	7	2	14·0	3·8	350
Bhagulpore	Bhagulpore	29,640	27,813	57,453	17	12	29	10·1	10·5	20·2	141	...	1	10	1	...	11	23	...	·9	9·0	·9	...	10·0	20·8	24·4	12	11	21·0	20·6	109
Monghyr	Monghyr	28,154	29,366	57,520	20	17	37	18·1	15·3	33·4	117	...	...	5	1	1	7	14	...	...	4·5	·9	·9	6·3	12·7	23·5	10	4	18·5	7·1	250
Purneah	Purneah	8,463	6,553	15,016	1	...	1	3·4	...	3·4	No female birth.	...	...	2	...	...	...	2	...	...	6·9	...	...	...	6·9	20·8	1	1	6·1	7·9	100
Puri	Puri	13,247	11,537	24,784	2	4	6	4·2	8·4	12·6	50	2	...	2	4	...	5	13	4·2	...	4·2	8·4	...	10·5	27·3	16·8	10	3	39·3	13·5	333
	TOTAL	702,890	619,691	1,322,581	238	201	439	9·4	7·9	17·3	118	54	4	244	72	18	200	592	2·1	·2	9·6	2·8	·7	7·9	23·3	20·0	319	273	23·6	22·9	116

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded, to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

Districts.	Names of Municipalities.	13					14					15										16									
		Mortality according to—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	1	26	12	...	...	388·1	57·1	60·8	...	...	8	...	2	..	1	5	6	4	4	9	630·3	......	44·6	......	16·6	32·8	45·2	47·1	84·7	35·8
Midnapore ...	Midnapore ...	...	2	1	...	...	.	4·0	7·2	...	...	...	..	...	...	.	...	1	...	...	2	....	......	......	......	......	...	9·4	......	......	56·8
Hughli ...	Hughli and Chinsurah ...	...	6	1	...	...	...	9·9	7·6	...	...	1	.	...	...	2	...	1	2	1	...	55·1	.. ...	......	......	35·1	......	7·4	20·2	15·9	......
Serampore ...	Serampore ...	...	10	...	...	...	...	20·6	...	...	...	4	1	..	...	...	..	1	...	...	4	293·0	25·8	....	......	......	... ..	10·5	......	......	149·5
	Utterpara ...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	..	... .	......	. ....	......	......	......	......	......	......	......
Howrah ...	Howrah ...	...	6	4	...	..	...	4·6	10·1	...	...	1	..	1	...	...	2	1	2	1	2	25·2	......	8·3	......	......	4·6	2·7	8·8	9·5	27·7
	Bali ...	...	1	...	...	...	...	3·9	...	...	...	...	.	...	...	...	...	...	...	...	1	... .	......	.....	......	......	......	......	......	......	71·0
24-Pergunnahs ...	Suburbs of Calcutta ...	6	95	54	...	...	77·1	32·9	29·1	...	...	21	15	8	4	6	30	20	17	19	15	229·2	48·3	21·0	2·9	17·3	26·5	20·2	26·0	58·2	54·8
Nuddea ...	Kishnaghur ...	...	4	5	...	...	...	11·1	31·4	...	...	...	3	...	..	.	2	1	...	2	1	......	63·2	......	......	......	21·6	12·1	......	49·4	30·1
	Ranaghat ...	...	1	...	...	...	...	7·1	...	...	...	...	...	...	...	..	...	1	...	...	...	......	.... .	......	......	......	......	41·7	......	......	......
	Santipore ...	...	5	1	...	...	...	12·6	5·8	...	...	...	1	.	2		...	...	...	2	1	......	18·0	.....	35·9	......	......	......	......	45·2	26·5
Jessore ...	Jessore ...	...	1	...	...	...	...	11·5	...	...	...	...	...	...	...	1	...	...	...	...	...	......	......	......	......	71·0	......	......	......	......	......
Rajshahye ...	Rampore Beauleah ...	...	5	4	...	...	...	26·2	21·2	..	...	2	...	1	2	..	2	...	...	..	2	276·2	......	25·0	57·7	......	25·0	......	......	......	108·0
Darjiling ...	Darjiling ...	...	4	...	...	...	...	45·3	...	...	...	...	1	...	1	..	1	...	...	1	...	... ..	80·9	... ..	106·6	... ..	26·0	......	......	213·1	......
Dacca ...	Dacca ...	...	12	6	...	...	...	15·5	7·9	...	...	1	3	3	...	1	...	...	2	4	4	27·4	21·2	15·7	......	7·1	......	......	12·2	43·9	37·1
	Narainganj ...	...	1	2	...	...	...	8·2	16·9	...	...	1	...	...	...	...	.	1	1	...	...	186·4	......	......	......	......	......	24·3	37·3	......	.....
Chittagong ...	Chittagong ...	...	...	6	1	...	...	...	20·4	216·7	...	2	1	...	...	..	1	1	1	1	...	184·7	26·4	......	......	......	11·2	15·6	23·0	47·9	......
Tipperah ...	Comillah ...	...	1	1	...	...	...	8·7	7·0	...	...	1	..	...	...	...	...	...	...	...	1	175·1	.....	......	......	... .	......	......	......	......	76·7
Patna ...	Patna City ...	...	71	21	...	...	...	31·0	20·7	...	...	15	19	5	5	7	12	6	2	6	15	181·0	67·7	15·4	18·1	32·6	21·6	13·4	5·5	22·1	56·5
Gya ...	Gya ...	1	52	18	...	...	2,363·6	45·0	58·2	...	...	27	8	5	3	1	7	6	1	5	8	784·4	65·4	37·2	23·2	9·9	24·7	24·5	5·3	39·6	80·8
Shahabad ...	Arrah ...	...	4	4	...	...	...	6·7	16·8	...	...	2	...	..	...	1	3	1	...	...	1	80·7	.. ...	.. ...	......	16·5	19·9	8·1	......	......	18·0
Mozufferpore ...	Mozufferpore ...	...	16	6	...	...	...	27·7	25·0	...	...	11	1	2	1	...	3	...	2	..	2	599·0	12·9	23·1	13·1	......	18·2	......	20·7	......	42·7
Durbhanga ...	Durbhanga ...	...	32	21	...	...	...	34·4	62·2	...	...	10	15	8	2	...	2	4	3	5	4	334·0	102·5	53·2	18·7	......	7·8	18·6	21·0	59·3	65·1
Sarun ...	Chupra ...	...	6	3	...	...	...	7·6	13·0	...	...	2	...	...	...	...	1	4	1	...	1	72·0	......	......	......	. ....	5·5	25·8	8·3	......	15·0
Bhagulpore ...	Bhagulpore ...	...	18	5	...	...	...	23·5	15·1	...	...	10	2	2	...	1	2	1	2	...	3	435·5	19·2	17·7	......	12·4	9·5	5·6	16·2	......	43·3
Monghyr ...	Monghyr ...	...	11	3	...	...	...	12·8	12·4	...	...	4	2	1	1	...	...	2	..	...	4	440·1	16·7	7·4	9·1	......	......	11·7	......	......	58·0
Purneah ...	Purneah ...	...	2	...	...	...	...	11·3	...	...	...	...	...	...	...	..	...	1	...	...	1	......	......	......	......	......	......	18·2	......	......	64·4
Puri ...	Puri ...	...	13	...	...	...	...	27·6	...	...	...	2	2	...	...	...	2	...	1	2	4	343·2	57·9	......	......	......	19·7	......	15·6	46·6	115·2
	Total ...	8	405	178	1	...	34·8	23·0	23·6	24·2	...	125	74	58	21	21	75	59	41	53	85	214·1	35·1	15·1	9·5	11·0	14·4	13·4	13·3	28·9	54·2

Office of Sanitary Commissioner for Bengal,
The 30th June 1888.

R. LIDDERDALE, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing Quantities of Goods carried during the month of May 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
403	1. Grain ...	284	4,869	5,153	2,74,007	5,153	2,74,007	
3	2. Cotton ...	......	2	2	2,080	2	2,080	
28	3. Oilseeds ...	68	256	324	36,407	324	36,407	
115	4. Salt ...	835	...	835	73,258	835	73,258	
......	5. Piece-goods ..	......	......	......	......	......	......	
12	6. Metal ...	13	32	45	51,230	45	51,230	
16	7. Building materials	57	20	77	2,762	77	2,762	
452	8. Miscellaneous ...	1 088	798	1 886	4,47,137	1,886	4,47,137	
11	9 Fuel ...	62	60	122	990	122	990	
2 rafts	10. Timber ...	384 c. ft.	45 c. ft.	429 c. ft.	705	429 c. ft.	705	
......	11. Bamboos ...	... „	...	......	......	......	......	
1,040 & 2 rafts.	12. Total ...	2,407 & 384 c. ft.	6,037 & 45 c. ft.	8,444 & 429 c. ft.	8,88,576	8,444 & 429 c. ft	8,88,576	
1,522 & 44 rafts	13. Total of same month last year	3,329 & 2,343 c. ft.	8,929 & 15,501 c. ft.	12,258 & 17,844 c. ft.	9,67,582	12,258 & 17,844 c. ft	9,67,582	

	Up.	Down	Total.
14. Total number of boats plying cargo No.	414	626	1,040
14a. Ditto Empty boats, steamers &c. No.	472	129	601
15. Total number of boats plying passenger No	364	511	875
15a. Ditto Empty boats No.	21	1	22
16. Total registered tonnage, cargo Tons	9,807	12,707	22,514
17. Total registered tonnage, passenger Tons.	133	217	350
18. Ton-mileage	......	......	......
19. Estimated value of cargo Rs.	4,06,217	4,81,654	887,871
20. Number of passengers No.	1,027	932	1,959
21. Rafts, bamboos c. ft.	......	...	......
22. Do., bullahs „	384	45	429
23. Estimated value of rafts Rs.	655	50	705
24. Tollage on boats „	1,873-5-0	2,912-8-6	4,785-13-6
25. Compounded tollage on boats	......	......	......
26. Tollage on rafts Rs.	3-12-0	0-6-0	4-2-0
27. *Total tollage on boats per ton-mile	......	... ..	......
28. Total tollage on rafts per 100 cubic feet Rs.	......	... ..	0-15-4

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	4,789	15	6
Total tollage of same month last year ...	6,821	10	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ..	200	13	6
2. Tollage per month ...	4,789	15	6
3. Total ...	4,990	13	0
4. Amount paid into treasury during the month ...	4,739	9	2
5. Balance due at the end of the month ...	251	3	10

* Boats in these rivers do not pay per mile.

Abstract for the month of May 1888, as compared with the corresponding month of the previous year.

	1888-89. During the month. Rs. A. P.	1888-89. To end of the month. Rs. A. P.	1887-88. During the month. Rs. A. P.	1887-88. To end of the month. Rs. A. P.
Tollage	4,789 15 6	10,575 8 2	6,821 10 0	19,193 7 3

CALCUTTA,
The 3rd July 1888.

A. D. McARTHUR, *Major*, R.E.
Under-Secretary to the Government of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing Quantities of Goods carried during the month of May 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
295	1. Grain ...	3,400	196	3,596	1,23,850	3,596	1,23,850	
......	2. Cotton ...	......	......	.....	......	......	......	
1	3. Oilseeds ...	2	......	2	120	2	120	
44	4. Salt ...	...	341	341	28,910	341	28,910	
9	5. Piece-goods ...	......	25	25	12,200	25	12,200	
......	6. Metal ...	......	...	...	...	......	......	
8	7. Building materials	12	39	51	5,061	51	5,061	
613	8. Miscellaneous ...	93	291	387	41,001	387	41,001	
18	9. Fuel ...	121	112	233	2,505	233	2,505	
... ..	10. Timber ...	......	...	....	.. ...	...	......	
13 rafts	11. Bamboos ...	950 c. ft.	383 c. ft.	1,333 c. ft.	95	1,333 c. ft.	95	
988 & 13 rafts.	12. Total ...	3,628 & 950 c. ft.	1,007 & 383 c. ft.	4,635 & 1,333 c. ft.	2,13,742	4,635 & 1,333 c ft	2,13,742	
715 & 7 rafts.	13. Total of same month last year	2,342 & 383 c. ft.	732 & 6 c. ft.	3,074 & 389 c. ft.	1,22,563	2,945 & 389 c.ft.	1,19,703	

	Up.	Down.	Total.
14. Total number of boats plying cargo No	478	510	988
15. Total number of boats plying passenger No.	62	67	129
16. Total registered tonnage, cargo Tons	7,729	4,678	12,407
17. Total registered tonnage, passenger Tons	761	870	1,631
18. Ton mileage ...	202,605	1,18,421	3,21,026
19. Estimated value of cargo Rs.	1,21,646	92,001	2,13,647
20. Number of passengers ...	964	1,834	2,798
21. Rafts, bamboos c. ft.	950	383	1,333
22. Do., bullahs "	...	......	......
23. Estimated value of rafts Rs.	63	32	95
24. Tollage on boats "	3,545-9-0	2,093-4-6	5,638-13-6
25. Compounded tollage on boats Rs.	3-9-9	......	3-9-9
26. Tollage on rafts "	3-2-0	1-13-9	4-15-9
27. Total tollage on boats per ton-mile Pie	......	......	0-0-3·3
28. Total tollage on rafts per 100 cubic feet ...	......	......	0-5-11

	Rs.	A.	P.
Total tollage of month—21+25+26 ...	5,647	7	0
Total tollage of same month last year ...	3,056	11	9

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	2,914	11	3
2. Tollage per month ...	5,647	7	0
3. Total	8,562	2	3
4. Amount paid into treasury during the month ...	6,040	10	3
5. Balance due at the end of the month ...	2,521	8	0

Abstract for the month of May 1888 as compared with the corresponding month of the previous year.

	1888-89. During the month.	1888-89. To end of the month.	1887-88. During the month.	1887-88. To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage	5,647 7 0	10,300 4 0	3,056 11 9	6,915 12 0

CALCUTTA,
The 3rd July 1888.

A. D. McARTHUR, *Major*, R.E.
Under-Secretary to the Government of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of May 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
638	1. Grain ...	10,552	......	10,552	8,04,607	10,552	8,04,607	* For detail see next page.
2	2. Cotton ...	3	......	3	1,800	3	1,800	
88	3. Oilseeds ...	1 164	......	1,164	1,23,414	1,164	1,23,414	
307	4. Salt ...	839	3,802	4,641	4,54,825	4,641	4,54,825	
......	5. Piece-goods ..	... ..	...	......				
1	6. Metal ...	2	......	2	1,750	2	1,750	
63	7. Building materials	2,227	27	2,254	44,734	2,254	44,734	
1,443	8. Miscellaneous* ...	5,807	273	6,080	6,79,284	6 080	6,79,284	
507	9. Fuel ...	11,300	172	11,472	1,01,145	11,472	1,01,145	
	10. Timber ...	.. ...	...	......	...	......		
1 raft	11. Bamboos ...	300 c.ft.		300 c ft.	37	300 c.ft.	37	
3,049 & 1 raft.	12. Total ...	31,894 & 300 c ft.	4,274	36,168 & 300 c.ft.	22,11,596	36,168 & 300 c.ft.	22,11,596	
2,337	13. Total of same month last year	27,297	2,932	30,229	18,78,024	30,229	18,78,024	

	Up	Down	Total
14. Total number of boats plying cargo No	2,755	294	3,049
14a Ditto empty ,,	1,585	222	1,807
15. Total number of boats plying passenger No.	165	3	168
16. Total registered tonnage, cargo Tons	103 962	10,628	114,590
17. Total registered tonnage, passenger Tons	252	9	261
18. Ton-mileage ...	843 900	106,280	950,180
19. Estimated value of cargo Rs.	18,01,939	4,09,620	22,11,559
20. Number of passengers No.	1,153	6	1,159
21. Rafts, bamboos C. ft.	300		300
22. Do., bullahs ,,	... ..	......	
23. Estimated value of rafts Rs.	37	...	37
24. Tollage on boats ,,	20,568-7-0	2,603-9-0	23,172-0-0
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts ,,	0-9-0	......	0-9-0
27. Total tollage on boats per ton-mile ...	......	......	0-0-4·68
28. Ditto on rafts per 100 cubic feet ...	......	......	0-3-0

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	23,172	9	0
Total tollage of same month last year ...	19,398	13	9

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	612	4	9
2. Tollage per month ...	23,172	9	0
3. Total ...	23,784	13	9
4. Amount paid into treasury during the month ...	23,213	1	9
5. Balance due at the end of the month ...	571	12	0

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
40	(a) Jute ...	1,206	......	1,206	1,01,325	1,206	1,01,325	
43	(b) Jaggery ...	379	......	379	55,781	379	55,781	
18	(c) Sugar ...	98	......	98	24,750	98	24,750	
...	(d) Tobacco ...	......	......	......	......	......	......	
233	(e) Fish ...	70	......	70	19,673	70	19,673	
5	(f) Hides	1	......	1	300	1	300	
87	(g) Poultry ...	3	......	3	21,971	3	21,971	
82	(h) Hay and straw ...	733	......	733	15,408	733	15,408	
17	(j) Oils ...	25	187	212	29,750	212	29,750	
35	(k) Earthenware ...	63	......	63	881	63	881	
883	(m) Other miscellaneous ...	3,229	86	3,315	4,09,445	3,315	4,09,445	
1,443	Total Miscellaneous...	5,807	273	6,080	6,79,284	6,080	6,79,284	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of May 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
1,261	1. Grain ...	8,484	4	8,488	5,92,015	8,488	5,92,015	* For detail see next page.
6	2. Cotton ...	38	......	38	19,350	38	19,350	
5	3. Oilseeds ...	62	......	62	7,425	62	7,425	
86	4. Salt ...	638	508	1,146	1,12,262	1,146	1,12,262	
......	5. Piece-goods ...	......	......	......	......	......	......	
1	6. Metal ...	1	......	1	50	1	50	
248	7. Building materials	2,067	14	2,081	9,072	2,081	9,072	
799	8. Miscellaneous* ...	2,737	584	3,321	3,51,793	3,321	3,51,793	
185	9. Fuel ...	2,239	18	2,257	19,581	2,257	19,581	
1 raft	10. Timber ...	......	16,575 c ft.	16,575 c.ft.	41,437	16,575 c ft.	41,437	
12 rafts	11. Bamboos ...	729 c.ft.	......	729 "	91	729 "	91	
2,590 & 13 rafts	12. Total ...	16,266 & 729 c ft.	1,128 & 16,575 c ft	17,394 & 17,304 c ft.	11,53,076	17,394 & 17,304 c.ft.	11,53,076	
2,107 & 15 rafts.	13. Total of same month last year ...	13,852 & 849 No.	497 & 19 No.	14,349 & 868 No.	7,80,794	14,349 & 868 No.	7,80,794	

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.	2,485	105	2,590
14a. Ditto empty ... "	286	86	372
15. Total number of boats plying passenger ... No.	185	19	204
16. Total registered tonnage, cargo ... Tons	56,543	3,341	59,884
17. Total registered tonnage, passenger ... Tons	490	10	500
18. Ton-mileage	5,24,242	53,456	5,77,698
19. Estimated value of cargo Rs.	9,95,496	1 16,052	11,11,548
20. Number of passengers No.	1,266	19	1,285
21. Rafts, bamboos C. ft.	729	......	729
22. Do., ballahs ... "	......	16,575	16,575
23. Estimated value of rafts Rs.	91	41,437	41,528
24. Tollage on boats "	9,053-5-6	820-9-0	9,873-14-6
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts "	3-0-0	7-7-0	10-7-0
27. Total tollage on boats per ton-mile Pies	......	......	0-0-3 28
28. Ditto on rafts per 100 cubic feet ...	......	......	0-0-11

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	9,884	5	6
Total tollage of same month last year ...	7,467	6	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	174	11	9
2. Tollage per month ...	9,884	5	6
3. Total ...	10,059	1	3
4. Amount paid into treasury during the month ...	9,781	15	3
5. Balance due at the end of the month ...	277	2	0

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

TOLLY'S NULLAH.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
5	(a) Jute ...	70	......	70	5,850	70	5,850	
89	(b) Jaggery ..	517	18	535	74,945	535	74,945	
2	(c) Sugar ...	14	......	14	3,600	14	3,600	
16	(d) Tobacco ...	132	......	132	25,900	132	25,900	
43	(e) Fish ...	12	......	12	3,570	12	3,570	
......	(f) Hides ...	......	......	......	......	......	......	
......	(g) Poultry ...	......	......	......	......	......	......	
124	(h) Hay and straw...	342	......	342	7,188	342	7,188	
44	(j) Oils ...	232	5	237	33,125	237	33,125	
143	(k) Earthenware ...	218	......	218	3,050	218	3,050	
333	(m) Other miscellaneous ..	1,200	561	1,761	1,94,565	1,761	1,94,565	
799	Total Miscellaneous...	2,737	584	3,321	3,51,793	3,321	3,51,793	

ABSTRACT FOR THE MONTH OF MAY 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	Traffic, 1888-89.						Traffic, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals ...	23,172	9	0	45,372	4	9	19,398	13	9	43,476	10	3
Tolly's Nullah	9,884	5	6	18,580	2	3	7,467	6	6	15,970	7	3
Total ...	33,056	14	6	63,952	7	0	26,866	4	3	59,447	1	6

CALCUTTA,
The 3rd *July* 1888.

A. D. McARTHUR, *Major*, R. E.
Under-Secretary to the Government of Bengal

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 30th June 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 30th June 1888.			Week ending Saturday, the 2nd July 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	300	67,410	1,088	334	49,600	773
Jute	12	6,025	48	16	5,975	104
Firewood	81	35,475	527	145	77,300	1,158
Other articles	729	1,65,397	2,242	733	2,02,550	3,165
Total ..	1,122	2,71,307	3,905	1,228	3,35,425	5,198

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	*287,530	*2,82,090 3 0	25,64,239 30	5,53,305 9 0	18,077 4 0	8,53,463 0 0	66,304½	94,650½	160,955
Or per mile of railway ..	...	186 5 6		365 8 4	11 15 1	563 12 11	......	......	......
For previous 24 weeks of half-year	6,408,634	70,88,075 14 0	6,89 93,067 10	1,58,81,399 5 1	5,16,987 4 11	2,34,87,061 8 0	1,579,023½	2,541,551½	4,120,575½
Total for 25 weeks ...	6,696,164	73,70,750 1 0	7,15,57,307 0	1,64 34,704 14 1	5,35,064 8 11	2,43 40,525 8 0	1,645,327½	2,636,202½	4,281,530½
Comparison.									
Total for corresponding week of previous year	275,262½	2,38,720 11 3	23 14,036 10	5 20,305 13 0	—24,924 0 8	7,34,201 7 7	64,397½	94,464½	158,862
Per mile of railway corresponding week of previous year ..	......	157 2 7	.. .	342 9 5	—16 6 6	48 5 6	......	......	......
Total to corresponding date of previous year	6,535,280½	71,15,646 9 5	6,87,81,464 10	1,70,31,641 9 10	4,42,720 12 9	2,45,90,018 0 0	1,680 031½	2,869,030½	4,550,262

* The increase in coaching traffic is principally due to "Dusohara" and "Sran Jattra" bathing festivals.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888.	Total decrease in 1888
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,5 9	7,44,306	490	1,513¾	8,53,463	564	1,519	1,18,75,859	652	1,513¾	1,13,66,800	626	......	5,08,999

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1888, on 57¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P			
Total traffic for the week ...	10,771	5,488 4 0	45 203 0	3,180 4 0	30 2 0	8,698 10 0	1,685	709	2,394
Or per mile of railway ...	188	95 15 2	791 20	55 9 7	0 8 5	151 1 2		... ..	......
For previous 24 weeks of half-year	336,474	1,71,833 3 0	9,60,763 30	65,110 0 0	875 12 0	2,37,818 15 0	42,282	16,777	59,059
Total for 25 weeks ...	347,245	1,77,321 7 0	10,06,026 30	68,290 4 0	905 14 0	2,46,517 9 0	43 967	17,486	61,453
Comparison.									
Total for corresponding week of previous year	10,989½	4 920 1 8	49,240 30	3,018 3 10	615 2 3	8,553 7 9	1,891½	502½	2,394
Per mile of railway corresponding week of previous year	332	86 0 3	861 0	52 12 3	10 12 1	149 8 7	......	......	......
Total to corresponding date of previous year	342,127	1,72,710 9 11	14,85,073 20	87,341 10 7	1,729 7 9	2,61,780 12 3	41,377½	23,721½	65,009

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57¼	8,278	145	57¼	8,699	152	57¼	1,13,248	165	57¼	1,07,575	157	......	5,673

DILDARNAGAR-GHAZIPUR STATE RAILWAY

Approximate Return of Traffic for week ended 23rd June 1888, on 12 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	3,910	623 15 0	8,507 20	145 5 0	11 14 0	781 2 0	244½	351	595½
Or per mile of railway	.	51 15 11	.	12 1 9	0 15 10	65 1 6	......	... ..	... ..
For previous 24 weeks of half-year	75,980	12 847 4 0	4,93,614 30	12,031 6 0	231 11 6	25,110 5 6	7,453	4,391	11,844
Total for 25 weeks	79,790	13,471 3 0	5,00,122 10	12,176 11 0	243 9 6	25,891 7 0	7,697½	4,742	12,439½
Comparison.									
Total for corresponding week of previous year	2,991	538 11 3	7,035 10	158 14 9	12 10 4	710 4 4	393½	107	500½
Per mile of railway corresponding week of previous year	.	44 14 3	... ..	13 2 11	1 0 10	59 3 0	.. ..	......	......
Total to corresponding date of previous year	78,282	13,151 4 7	4,82,508 0	13,532 1 9	219 4 1	26,902 10 5	7,792½	4,611	12,403½

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs	Rs.		Rs	Rs		Rs	Rs.	Rs.	Rs.
12	711	59	12	781	65	12	14,093	98	12	13,418	93		675

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried	Receipts.			Coaching.	Merchandise.	Total.
		Rs A P.	Mds. s	Rs. A. P	Rs. A P	Rs A. P			
Total traffic for the week	5,218	3,972 15 0	85 320 30	4 079 10 0	118 3 0	9,004 12 0	353½	1,869½	2,523⅛
Or per mile of railway	..	53 1 9		66 9 0	1 8 3	121 3 0	.	..	..
For previous 24 weeks of half-year	128,928	92 971 9 0	20,81,766 20	99 032 9 0	2,547 8 0	1,94,551 10 0	15,858	36,285½	52,143½
Total for 25 weeks	134,146	96,944 8 0	21,67,087 10	1,04 011 3 0	2,660 11 0	2,03,616 6 0	16,511½	38,154½	54,666
Comparison.									
Total for corresponding week of previous year	5,414½	3,340 12 8	97,937 0	2,885 9 3	346 6 8	6,572 12 7	657½	1,250½	1,908
Per mile of railway corresponding week of previous year	.	51 5 7	.. .	31 14 3	4 10 1	87 13 11	..	... ..	......
Total to corresponding date of previous year	151,838½	1,17,089 1 6	25,51,943 0	1,11,129 13 9	2,752 4 11	2 30,971 4 2	18,504½	31,476½	49,981

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	6,370	85	74½	9,068	121	74½	1,09,452	122	74½	97,161	108	......	12,291

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	29,294	7,758 3 0	10,118 20	361 9 0	9 10 0	8,129 6 0	900	68	968
Or per mile of railway	.. .	348 10 11	.... ..	16 4 0	0 6 11	365 5 10	.... ..	.... ..	.... ..
For previous 24 weeks of half-year	531,324	1,39,062 11 0	1,96,040 20	7,232 15 0	175 5 3	1,46,470 15 3	21,639	1,769	23,408
Total for 25 weeks ...	560,618	1,46,820 14 0	2,06,168 0	7,594 8 0	184 15 3	1,54,600 5 3	22,539	1,837	24,376
Comparison.									
Total for corresponding week of previous year	20,807½	5,287 0 3	6,585 10	235 11 3	7 11 10	5,530 7 4	905½	70	975½
Per mile of railway corresponding week of previous year ...	......	237 9 10	.... ..	10 9 6	0 5 7	248 8 11	.... ..	.... ..	......
Total to corresponding date of previous year	520,533½	1,36,195 7 6	2,09,327 20	7,209 7 3	188 12 7	1,43,683 11 4	23,565½	1,412	24,977½

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	5,530	249	22½	8,129	365	22½	73,121	274	22½	78,747	295	5,626	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 16th June 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week .	114,907	50,138 0 0	427,970 0	76,231 0 0	12,843 0 0	1,39,209 0 0	20,506	19,900	40,406
Or per mile of railway	171	75 0 0	637 0	113 0 0	†4 0 0	193 0 0	. ..	. . .	......
For previous 23 weeks of half-year	3,036,206	15,97,534 0 0	12,391,932 0	17,67,356 0 0	3,37,421 0 0	*37,02,311 0 0	508,303	537,509	1,045,812
Total for 24 weeks ...	3,151,113	16,47,670 0 0	12,819,902 0	18,43,587 0 0	3,50,263 0 0	38,41,520 0 0	528,809	557,409	1,086,218
Comparison.									
Total for corresponding week of previous year ..	114,511	50,690 0 0	a701,939 0	76,891 0 0	14,488 0 0	1,42,069 0 0	19,889	15,081	34,970
Per mile of railway corresponding period of previous year .	178	79 0 0	1,088 0	119 0 0	†8 0 0	206 0 0	......	......	......
Total to corresponding date of previous year	3,259,152	15,10,182 0 0	13,360,446 0	18,25,834 0 0	3,04,763 0 0	36,40,829 0 0	505,522	463,951	969,473

* Audited up to week ending 12th May 1888.
a Including B. train.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Eastern Bengal State Railway.

Receipts for week ending 18th June 1887.			Receipts for week ending 16th June 1888.			Total receipts from 1st April 1887 to 18th June 1887.			Total receipts from 1st April 1888 to 16th June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked per week.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	*Rs.	Rs.	Rs.
645	1,42,069	220	672	1,39,209	207	645	15,60,136	220	675	*15,77,613	212	17,477	......

* Audited up to 12th May 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 16th June 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,181	8,344 0 0	35,803 0	2,347 0 0	114 0 0	10,805 0 0	3,617	1,709	5,326
Or per mile of railway ..	185	67 0 0	286 0	19 0 0	1 0 0	87 0 0	... ..	.	......
For previous 23 weeks of half-year	608,689	2,04,679 0 0	1,143,771 0	74,267 0 0	4,214 0 0	*2,83,160 0 0	82,134	41,028	123,162
Total for 24 weeks ...	631,870	2,13,023 0 0	1,179,574 0	76,614 0 0	4,328 0 0	2,93,965 0 0	85,751	42,737	128,488
COMPARISON.									
Total for corresponding week of previous year .	24,888	8,896 0 0	40,283 0	2,521 0 0	50 0 0	11,467 0 0	3,674	1,598	5,272
Per mile of railway corresponding period of previous year	199	71 0 0	323 0	20 0 0	1 0 0	92 0 0	. ..	..... .	......
Total to corresponding date of previous year	638,769	2,22,763 0 0	993,465 0	65,566 0 0	1,179 0 0	2,89,508 0 0	85,628	40,706	126,334

' Audited up to 12th May 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 18th June 1887.			Receipts for week ending 16th June 1888.			Total receipts from 1st April 1887 to 18th June 1887.			Total receipts from 1st April 1888 to 16th June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	11,467	92	125	10,805	87	125	1,46,538	107	125	*1,27,237	93	..	19,301

* Audited up to 12th May 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 16th June 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	11,357	3,757 0 0	10,598 0	428 0 0	314 0 0	4,499 0 0	2,141	963	3,104
Or per mile of railway	132	44 0 0	123 0	5 0 0	3 0 0	52 0 0	... ..	......	... ..
For previous 23 weeks of half-year	312,787	98,169 0 0	337,649 0	19,538 0 0	3,747 0 0	*1,21,454 0 0	49,229	22,233	71,462
Total for 24 weeks .	324,144	1,01,926 0 0	348,247 0	19,966 0 0	4,061 0 0	1,25,953 0 0	51,370	23,196	74,566
COMPARISON.									
Total for corresponding week of previous year . .	12 000	3,513 0 0	24,831 0	1,281 0 0	565 0 0	5,359 0 0	2,689	275	2,964
Per mile of railway corresponding period of previous year	140	41 0 0	289 0	15 0 0	6 0 0	62 0 0	... ..	.. ..	....
Total to corresponding date of previous year	311,643	1,01,821 0 0	466,496 0	33,292 0 0	5,530 0 0	1,40,643 0 0	58,309	21,896	80,205

* Audited up to week ending 12th May 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 18th June 1887.			Receipts for week ending 16th June 1888.			Total receipts from 1st April 1887 to 18th June 1887.			Total receipts from 1st April 1888 to 16th June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	5,359	62	86	4,499	52	86	57,107	66	86	*54,295	57	... ..	2,812

* Audited up to week ending 12th May 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 16th June 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,651	976 0 0	34,200 0	2,063 0 0	15 0 0	3,654 0 0	546	546	1,092
Or per mile of railway	68	25 0 0	877 0	68 0 0	1 0 0	94 0 0	......	......	......
For previous 23 weeks of half-year	65,448	24,026 0 0	602,666 0	49,260 0 0	1,033 0 0	*74,319 0 0	12,558	12,558	25,116
Total for 24 weeks ...	68,099	25,002 0 0	636,866 0	51,923 0 0	1,048 0 0	77,973 0 0	13,104	13,104	26,208
Comparison.									
Total for corresponding week of previous year	2,745	837 0 0	16,398 0	1,703 0 0	23 0 0	2,563 0 0	539	539	1,078
Per mile of railway corresponding week of previous year ...	70	21 0 0	420 0	44 0 0	1 0 0	61 0 0	......	......	......
Total to corresponding date of previous year	29,462	9,647 0 0	157,057 0	20,408 0 0	332 0 0	30,387 0 0	6,083	6,083	12,166

* Audited up to week ending 12th May 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 18th June 1887.			Receipts for week ending 16th June 1888.			Total receipts from 1st April 1887 to 18th June 1887.			Total receipts from 1st April 1888 to 16th June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	2,563	66	39	3,654	94	39	36,387	85	39	*37,633	88	1,246	......

* Audited up to week ending 12th May 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	6,230	2,477 14 0	4,946 10	379 0 0	13 10 2	2,870 8 2	509	254	763
Or per mile of railway	229	90 15 0	182 0	13 14 0	0 8 0	105 5 0	......	......	......
For previous 24 weeks of half-year	74,927½	27,544 2 0	3,22,954 30	18,998 0 0	442 5 10	46,984 7 10	12,216	9,951	22,167
Total for 25 weeks ...	81,157½	30,022 0 0	3,27,901 0	19,377 0 0	456 0 0	49,855 0 0	12,725	10,205	22,930
Comparison.									
Total for corresponding week of previous year	*a*3,829	1,369 9 0	12,180 0	806 5 0	—10 8 0	2,165 6 0	509	254	763
Per mile of railway corresponding period of previous year ...	141	50 4 0	447 0	29 9 0	—0 6 0	79 7 0	......	......	......
Total to corresponding date of previous year	77,510½	29,137 11 11	3,01,600 20	17,990 10 11	584 2 7	47,652 9 5	12,797	8,182½	20,979½

a Average receipts for 7 days have been shown here out of last 13 days of the corresponding period of the previous year.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1887-88.	Total decrease in 1887-88.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	2,165	79	27½	2,871	105	27½	21,599	66	27½	20,828	64	......	771

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 23rd June 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	41,407	14,642 13 11	167,948 10	15,289 6 11	3,164 14 0	33,097 2 10	5,606	7,581	13,277
Or per mile of railway	160	56 9 0	648 9	59 0 0	2 15 0	118 8 0*	......	......	......
For previous 24 weeks of half-year	1,027,282	3,96,278 2 1	46,65,458 30	4,97,560 9 1	80,698 2 0	9,74,536 13 2	147,217	184,390	331,607
Total for 25 weeks ...	1,068,689	4,10,921 0 0	48,33,407 0	5,12,850 0 0	83,863 0 0	10,07,634 0 0	152,913	191,971	344,884
Comparison.									
Total for corresponding week of previous year on 249 miles open	*a*36,708	13,837 6 4	1,96,159 10	16,788 3 7	4,853 4 9	35,478 14 8	5,885	7,259	13,144
Per mile of railway corresponding week of previous year ..	147	55 9 0	788 0	67 7 0	5 3 0	128 3 0*	......	......	......
Total to corresponding date of previous year	968,032	3,68,162 11 10	42,86,225 0	4,19,016 13 7	82,474 5 1	8,69,653 14 6	143,529	152,453	295,982

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."
a Average receipts for 7 days have been shown here out of last 13 days of the corresponding period of the previous year.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	35,479	142	259	33,097	128	249	4,17,922	140	259	4,49,853	145	31,931	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 16th June 1888	17,411
Corresponding week last year	9,168
Increase	8,243
Receipts from 1st January to 16th June 1888	2,46,379
From 1st January to 18th June 1887	1,93,606
Increase	52,773
	Miles.
Miles open week ending 16th June 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 16th June 1888	341 6 3
Corresponding week last year	179 12 4
Increase	161 9 11

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CONTENTS.

RESOLUTION ON THE POLICE ADMINISTRATION REPORT FOR CALCUTTA AND SUBURBS FOR 1887.

RESOLUTION.

POLICE.

Dated Darjeeling, the 4th July 1888.

READ—

The Annual Report on the Police Administration of the Town of Calcutta and its Suburbs for the year 1887.

Read also—

The Annual Reports of the Chief Presidency Magistrate and the Presidency Magistrate of the Northern Division on the Criminal Administration of their Courts for the year 1887.

The Reports for the year 1886 and the orders of Government thereon.

The following statement shows the number of cognizable and non-cognizable cases reported in the Town and Suburbs of Calcutta during 1887 and the two years preceding:—

	1885.	1886.	1887.
Cognizable—			
Penal Code	4,132	5,049	6,485
Miscellaneous	13,948	19,336	21,566
Non-cognizable—			
Penal Code	9,692	8,538	6,566
Miscellaneous	19,999	21,017	20,475
Total	47,771	53,940	55,092

The increase in cognizable crime under the Penal Code falls mainly under the head of public and local nuisances. There were 2,646 such cases in 1887 against 1,476 in 1886. The distinction between Penal and Miscellaneous is not strictly accurate, as under the former head are included nuisances punishable under section 34 of Act V of 1861 or under municipal and local laws. The increase in other cognizable cases falls under the heads of miscellaneous offences in the streets, which rose from 9,426 in 1886 to 11,585 in 1887. The decrease in non-cognizable offences under the Penal Code is due to a decrease from 3,622 cases of public and local nuisances in 1886 to 1,683 in 1887. The decrease in other non-cognizable offences is mainly due to the number of cases under the Conservancy Act having fallen from 19,806 in 1886 to 19,200 in 1887. The Commissioner of Police repeats the explanation he gave last year of the large decrease in 1886, continued in 1887, in the number of public nuisances in the Town of Calcutta punishable under Chapter XIV of the Penal Code. They have decreased from 4,625 in 1885 to 3,611 in 1886 and 1,682 in 1887. These offences include the adulteration of food and drugs, the sale of noxious food, and the sale of drugs or medical preparations as different drugs or medical preparations, and public nuisances of all kinds. The Commissioner of Police says the decrease under this head is met by a corresponding increase under section 68A of the Police Act, and that appears to be the reason, as corresponding changes in the figures have occurred in the Suburbs.

2. The number of persons arrested and summoned rose from 54,309 in 1886 to 55,175 in the year under review The number of persons convicted was 48,334 against 46,815 in 1886, thus giving a larger percentage of convictions for every class of cases, except miscellaneous non-cognizable offences, in which the percentage fell to 82·51 from 83·23 in 1886. Out of a total of 10,859 persons convicted under the Penal Code in the Town and Suburbs, 6,301 were Hindus, 4,164 Mahomedans, 372 Christians, 17 Buddhists and Jains. and 5 Jews.

3. *False Cases.*—Out of 47,757 cases in the Town, only 119 were reported false. In the Suburbs 63 out of 7,335 cases were returned as false. In the Town, prosecutions were instituted in 31 cases against 17 in 1886 Of those prosecuted, 5 were punished at the instance of the Judge of the Small Cause Court for obtaining decrees on false claims. Three complainants were sentenced each to four years' rigorous imprisonment for arresting and bringing to Calcutta a ryot of the Hooghly district on a warrant obtained from the Chief Magistrate on a false charge of criminal breach of trust, the object being to prevent his appearance in a suit in Hooghly in which his zemindar was respondent. In 19 cases the defendants were sentenced to fine and imprisonment. Only one case was instituted by the Magistrate *suo motu*. In 53 cases fines were inflicted, and in 42 of these cases the aggrieved parties got compensation under section 552, Criminal Procedure Code. These results are more satisfactory than those of the previous year, when 13 persons only were prosecuted, of whom 11 were acquitted, while there were 130 false cases in 1886 against 119 last year. In the Suburbs, prosecutions were instituted in 61 cases out of 63 reported false. In 45 out of 61 cases the defendants were discharged. In only four cases were the complainants imprisoned, the term of imprisonment varying from one and a half to three months. These results are not satisfactory. Sir Steuart Bayley can scarcely believe that a mere sentence of fine was an adequate punishment in 12 out of the 16 cases in the Suburbs, in which the prosecution was successful.

4. *Property stolen and recovered.*—The value of the property stolen was Rs. 1,32,351 against Rs. 1,19,249 in 1886. Property to the value of Rs. 68,165 was recovered. The percentage of property recovered, 51·50, differs little from the normal. Only Rs. 1,775, shown as recovered, had been stolen in previous years

5. *Ratio of cognizable crime to area and population.*—The ratio of cognizable crime to area and population in the Town and Suburbs was as follows:—

	Area in square miles.	Population.	Proportion of true crime to each square mile.	Proportion of crime to population.
Town	7·8	433,219	2,967·30	1 to 18·71
Suburbs	23	251,439	207 69	1 to 52·63

6. *Cognizable crime in the Town.*—The following table shows the number of true cognizable cases reported within the Town during the last three years:—

CRIME.	1885.	1886.	1887.
Abetment of offence not committed ...	1	...	......
Class I.—Offences against the State, &c.	37	43	49
„ II.—Serious offences against the person	167	186	
„ III.—Serious offences against person and property	139	190	185
„ IV.—Minor offences against the person	40	60	58
„ V.—Minor offences against person and property . .	2,156	2,085	2,223
„ VI.—Other offences not specified above	1,855	3,119	4,408
Special and local laws	10,391	14,359	16,009
Total	14,786	20,332	23,145

There were 25 cases of offences relating to coins and stamps, a larger number than in any other year since 1880. In one case two Hindus were sentenced to five years' imprisonment for manufacturing base coins, and in another two constables of the Suburban Force were sentenced to four years' imprisonment for [illegible]

[illegible] a discharged servant murdered his master, the jury did not convict, though the accused had confessed to the Coroner. Five Mahomedan shop-keepers of Chandney Bazar assaulted a Eurasian, fracturing his right leg. They were sentenced to three years' rigorous imprisonment each.

There were 164 true cases of house-breaking against 166 in the previous year, none of the former being of a serious type. The police have not succeeded so well as in 1886 in dealing with burglaries and thefts. Only 86 cases under the heads of burglary and lurking house trespass were detected against 107 in 1886, and 94 persons only were convicted against 123. The Commissioner of Police attributes this want of success to the large body of convicts released at the Jubilee. He supposes that many of the convicts so released remained in Calcutta, and of these men the police would know nothing and would consequently be unable to supervise them effectually. The Lieutenant-Governor, however, observes that the actual number of burglaries committed shows no increase in the Town as might have been expected if the theory were correct. In the Suburbs, however, there were 1,720 cases of theft against 1,607 in 1886, and 786 cases only were detected against 856 in the previous year, while 858 persons were convicted against 950. The percentage of property recovered increased slightly. Under the head of criminal breach of trust, the Commissioner of Police reports that the most systematic offenders are cart-drivers who abscond with entire loads of grain or cloth. Sir Steuart Bayley agrees with him in thinking that if offenders of this class were committed to the Sessions, and not sentenced to short terms of imprisonment by the Presidency Courts, good results might be expected.

The number of convictions under the Hackney Carriage Act decreased slightly. There is nothing to show, though the matter was referred to in last year's Resolution, how many of these prosecutions were for omission to put up the bills of fares inside the carriage. This should be noted in the report for 1888. The increase in public and local nuisances is mainly due to a large number of prosecutions in cases of street obstructions under section 283, Indian Penal Code. There has been a large increase from 7,956 cases in 1886 to 9,744 in 1887 for miscellaneous street offences. There were 2,911 cases of cruelty to animals against 3,389 in 1886, and 59 persons were acquitted against 30 in the previous year The increase in cases under the Port Acts from 2,266 cases in 1886 to 2,710 in 1887 was chiefly due to a larger number of prosecutions for carrying more than the licensed number of passengers. Under the Opium Act there were 75 cases and 79 convictions, against 42 cases and 44 convictions in 1886. In one case the police seized 80 maunds and 15¼ seers of contraband opium. Three persons were severely punished, but the principal offender, for whose arrest a reward has been offered, is said to be still at large. The drug was in its crude state, and was brought from Nepal.

7. *Cognizable crime in the Suburbs.*—The following is a comparative statement of true cognizable crime during the past three years:—

Crime.	1885.	1886.	1887.
Class I - Offences against the State, &c ..	16	27	15
II.—Serious offences against the person	88	62	77
III.— Ditto person and property	96	115	171
IV.—Minor offences against the person	23	35	15
V.— Ditto property ..	617	658	709
VI. -Other offences not specified above	678	787	717
Special and local laws	1,450	2,241	3,073
Total	2,998	3,925	4,777

There were only five cases of rioting or unlawful assembly against 19 in the preceding year, and 34 persons were sent up against 90 in 1886. There were two murder cases; in both the accused were discharged. There were 29 cases of grievous hurt, against 17 in 1886 and an average of 25 for the five preceding years. In one case, Fakeera Mehter, an ex-convict returned from the Andamans, in a fit of jealousy cut off a portion of the nose of his mistress. One Sumaria Chamarin was sentenced to seven years' rigorous imprisonment for administering strychnine to her husband. The increase under the head of serious mischief and cognate offences from 11 to 39 against a yearly average of 3 is due to a number of prosecutions under section 282, Indian Penal Code (conveying persons for hire by water in a vessel in such a condition and so overloaded as to endanger life). There were 188 true cases of burglary and lurking house-trespass against 125 in 1886. The increase is probably due to the presence of a colony of 11,000 coolies employed in the Kidderpore Docks, and possibly also to the release of Jubilee prisoners. 50 cases were detected and 58 persons convicted. The corresponding figures for 1886 were 49 and 54. Out of Rs. 6,019 worth of property stolen, Rs. 4,094 were recovered, but this is due to the fact that property worth Rs 4,119 was stolen in one case and the greater portion recovered. The number of thefts increased from 454 to 519, but 273 cases were detected and 310 persons convicted, against 246 cases and 297 persons in 1886. There was a slight decrease in the number of cases of public and local nuisances, while miscellaneous offences on the other hand rose from 1,470 to 1,841. The number of cases of cruelty to animals rose from 759 to 1,201, and out of 1,466 persons sent up for trial only 8 were acquitted.

8. *Non-cognizable crime in the Town.*—The decrease from 26,759 cases in 1886 to 24,511 in 1887 is principally due to a smaller number of cases of public and local nuisances, namely, 1,682 against 3,611 in 1886. This is met by a corresponding increase in the number of cognizable cases under section 68A of the Police Act. There were only 18,252 cases under the Conservancy Act against 18,816 in 1886. The number of cases of rioting, unlawful assembly, and affray rose from 205 in 1886 to 245 in 1887. There were 26 cases of adulteration of food and ghee, and 32 persons were convicted against 2 in 1886. A case instituted against one Taruck Nath Pattuck, to whom a forged currency note was traced, was withdrawn at the High Court, as the evidence of guilty knowledge was not considered sufficient. The forger, who lived at Sulkea, was tried at Howrah and ultimately convicted by the High Court.

9. *Non-cognizable crime in the Suburbs.*—There was a slight decrease from 2,796 cases in 1886 to 2,530 cases in 1887. There is nothing calling for notice in the figures.

10. *Suicides.*—There were 65 cases in the Town and Suburbs against 71 in 1886. 41 per cent. of the persons who committed suicide killed themselves by taking opium, while 32 per cent. hung themselves. There were 49 Hindus, 9 Mahomedans, and 7 Europeans. The excess of Hindus is remarkable, as the proportion of Hindus to Mahomedans living in the Town and Suburbs is little more than two to one.

11. *Accidental deaths.*—There were 283 accidental deaths against 275 in 1886. Only 89 were drowned against 111 in the previous year; but there were 133 deaths from causes not specified, against 91 the year before. 28 deaths were due to the persons killed being run over by carriages and horses, and 29 to falls from trees or buildings. Prosecutions were instituted against the drivers in 4 of these cases, 3 against private individuals, and 1 against the driver of a tramcar, who was acquitted. 4 servants of the Tramway Company were prosecuted for rash driving; 1 was convicted, 2 were acquitted, and 1 was still

under trial at the close of the year. 133 drivers of public and private carriages were convicted for rash and furious driving out of 162 sent up for trial.

12. *Arms Act.*—The importation of fire-arms increased from 1,205 in 1886 to 1,616 in 1887. The Commissioner of Police attributes the increase to a belief on the part of importers that there would be a great demand owing to events in Burmah. There was a great decrease in the inland transport of arms and ammunition. In guns the number fell from 1,408 to 848. The decrease, as explained by the Commissioner, was mainly in the traffic with Northern India, which had been abnormally large in 1886. The number of cartridge cases imported rose from 357,900 in 1886 to 738,700 in the year under review. No explanation is given of this. The number of guns sold in Calcutta was 2,415 against 2,962 in 1886. This included 1,501 guns of native manufacture against 2,207 in 1886. There were 20 prosecutions, all for petty offences.

13. *European Vagrancy Act.*—42 persons were admitted to the Workhouse under section 5 of the Act. Three persons were deported under section 17, namely, 2 to Liverpool and 1 to Melbourne. One of these was a ship's steward, another a hotel-keeper, and the third a destitute female with three children.

14. *Fire-Brigade Act.*—There were 13 fires in the Town and on the River, 5 in the Suburbs, and 20 in Howrah. The damage done is estimated at Rs 67,355 against Rs. 1,75,750 in 1886. The most serious fire was on board the *Hutton Hall*, in which jute worth Rs. 23,000 was burnt. The Chief Officer was afterwards sentenced to one month's rigorous imprisonment for smoking in the hold, to which the Chief Presidency Magistrate attributed the fire.

15. *Strength and cost of the Police.*—The total cost of the Town Police was Rs. 4,72,168 against Rs. 4,74,544 in 1886, and that of the Suburban Police Rs. 1,55,676 against Rs. 1,62,187. The cost of the River Police was Rs. 29,974, of Government Guards Rs. 45,140, and of Additional Police Rs. 30,655. The Fort Police, Lock-up Guards, and Salt-Pass Stations cost Rs. 13,094.

The cost of the Town Police was met as follows :—

	Rs.
Paid by Calcutta Municipality	2,97,216
Government contribution	99,072
Fees and fines	75,880
Total	4,72,168

The diminished expenditure on the Town and Suburban Police was chiefly made up of savings under the heads of servants, rent, contingent charges and allowances. Hospital expenses increased from Rs. 16,475 to Rs. 18,748 owing to increased diet and clothing expenses. It should have been stated whether this was due to a larger average number of patients being treated in hospital, or to other causes. The number of admissions only rose from 2,222 to 2,327, which would not by itself account for the increased expenditure.

16. *The Police Force.*—The number of up-country men in the police rose from 1,907 in 1886 to 1,942, while the number of Bengalis fell to 163 from 189 in 1886 and 219 in 1885. Out of this total of 163 there are 72 officers, while the total number of officers who are up-country men is 96. The percentage of casualties was 12·15, or almost the same as in the previous year. 34 members of the force were punished judicially against 13 in 1886 ; on the other hand, 78 men only were dismissed against 102 the year before. Only 5 men deserted. The mortality fell from 9·39 to 8·08, but this only shows the number dying in hospital ; many go away on sick leave and die at their homes. The number of vacancies was 361 against 375 in 1886 and an average of 478 in the five preceding years. This is satisfactory as testifying to the good conduct of the force, as the decrease occurred chiefly under the heads of dismissals and discharges. The fact that the number of resignations rose from 123 to 167 shows that the difficulty of getting new hands to stay, noted in last year's Resolution, has not been overcome.

17. During the year, 345 certificates were granted for hotels, shops for the sale of exciseable articles, and native eating-houses, in the Town, and 188 in

the Suburbs. The fees came to Rs. 1,266 in the Town and Rs. 480 in the Suburbs. The figures cannot be compared with those of 1886, as it is not stated how many of these were licenses for liquor shops issued under the triennial system in 1884 and renewed last year. The police had no difficulty in maintaining order in all shops licensed under the Abkari Act. Property to the value of Rs. 11,968 was picked up and brought to the Police Office, and 93 per cent. of the amount was restored to the owners. Rupees 5,150 were disbursed as rewards against Rs. 2,377 in 1886. Private individuals paid Rs. 2,798, while they only gave Rs. 351 the year before. Some explanation should have been given of this large increase.

18. *Old offenders.*—275 old offenders were convicted. Of these 63 had been convicted more than three times. In the Suburbs the corresponding numbers were 45 and 5. On their release from jail 133 notorious offenders were photographed and their names were registered by the Detective Department.

19. *Judicial work.*—15,685 cases were instituted in the Northern Division, 10,615 in the Southern Division, and 19,610 before the Bench of Presidency Magistrates. The corresponding figures for 1886 were 13,583, 11,865, and 19,903. Of 34,713 persons appearing before the Courts, 32,123 were convicted and 2,427 acquitted. The ratio of conviction in cognizable cases was 95·01 in the Northern Court, 93·46 in the Southern Court, and only 56·33 in the Bench Courts; the corresponding figures in non-cognizable cases (excluding conservancy prosecutions) being 70·92, 71·88 and 46·25 respectively. The total amount of fines imposed in the Southern Division was Rs. 26,354-4-9, of which Rs. 23,796-4-9 was realised; the corresponding figures in the Northern Division were Rs. 28,544-9 and Rs. 26,361-11. Sentences of whipping were passed on 55 persons, and 13 juvenile offenders were sent to the Alipore Reformatory. The fines imposed by the Presiding Benches rose from Rs. 19,909 to Rs. 29,539 notwithstanding a perceptible decrease in the number of cases.

20. *Benches.*—The Lieutenant-Governor regrets to see that the Chief Magistrate has again had to notice the want of punctuality and absence without notice of some of the Honorary Magistrates. The practice of rising early in the day without finishing the day's file is particularly to be deprecated. Sir Steuart Bayley at the same time notes with satisfaction the Chief Magistrate's testimony to the alacrity with which some Honorary Magistrates have attended Court at a moment's notice to fill the place of an absent colleague. The list of attendance shows that 17 gentlemen have attended twice a month or oftener, and he desires to thank them for the assistance they have rendered in the disposal of cases. The Lieutenant-Governor has had various questions connected with the working of the system of Benches under consideration during the year, and a set of rules, which it is hoped will materially increase its efficiency, has been submitted by the Chief Presidency Magistrate, and is now being dealt with

21. *Personnel of the force.*—Sir H. Harrison was Commissioner throughout the year, while the office of the Deputy Commissioner was held successively by Colonel A. R. Wilkinson, Mr. A. B. Barnard, and Mr. J Lambert, C.I.E. The names of the Superintendents and other subordinate officers favourably mentioned have been noted.

The thanks of the Lieutenant-Governor are due to all these officers, especially to Messrs. Barnard and Lambert, whose work has fallen within the period of Sir Steuart Bayley's Lieutenant-Governorship, and therefore under his immediate cognizance.

ORDER.—Ordered that copies of this Resolution be forwarded to the Commissioner of Police, Calcutta, for information and for communication to the Presidency Magistrates, and to the Commissioner of the Presidency Division for information.

Ordered also that a copy of this Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

J. WARE EDGAR,

Chief Secretary to the Govt. of Bengal.

RESOLUTION ON THE REPORT ON THE LUNATIC ASYLUM IN BENGAL FOR THE YEAR 1887.

RESOLUTION.

MEDICAL.

Dated Darjeeling, the 5th July 1888.

READ—

The Report on the Lunatic Asylums in Bengal for the year 1887.

Read also—

The Report for the year 1886, and the Resolution recorded on it.

The report, which is due on the 1st May, was not submitted till the 21st. This is an improvement on last year's, which was not received till the 1st July, but there does not seem to be any reason why it should not be submitted on or before the date on which it is due.

2. The number of admissions into the asylums fell from 200 in 1886 to 168. Of these, 144 were males and 24 females. The number of re-admis-

te daily average population of the asylums was 943·11 against 963·9 in 1886. Of those under treatment, 88 were discharged cured, 39 were transferred to the care of friends, 86 died, and 2 were otherwise disposed of. The percentage of recoveries on the average strength was 9 33 against 9 02 in the previous year. 922 lunatics remained in the asylum at the close of the year, of whom 729 were males and 193 females.

3. The number of criminal lunatics, which had risen considerably in 1886, has fallen off slightly, the figures being 384 on the 31st December 1887 against 397 on the same date of the preceding year. There were 80 new admissions during the year against 81 in 1886, of whom 73 were males and 7 females. The daily average strength was 390·88; 75 persons were discharged or transferred, and 28 died.

For the last few years the number of criminal lunatics has increased in all the asylums in Bengal The question also of the conditions under which it becomes safe to release a criminal lunatic appeared to the Lieutenant-Governor to be in a very unsatisfactory state, detention in many cases continuing longer than seems necessary for the public safety; and much difference of opinion, with consequent friction, being brought to the notice of Government. With a view to remedy these evils, a Committee was appointed to consider and submit definite proposals as to how such cases were to be dealt with in future. Special reference was made to the system of appointing recovered lunatics to the posts of paid warders in jails. The report of the Committee has been received, and is now under the consideration of Government.

4. The nomenclature of diseases, which has recently been published by the Royal College of Physicians, will have the effect of removing to some extent the difficulty hitherto experienced in classification. During the year 116 persons have been shown as suffering under the head of mania, 32 under melancholia, 16 under dementia, 3 under epileptic insanity, and 5 under toxic insanity. In 439 cases the disease is attributed to physical causes, and in 132 to moral causes. Of the former, 247 cases are said to be due to ganja, 4 to bhang and charas, 54 to spirit, 7 to opium, 25 to fever, 41 to heredity, 27 to epilepsy and 34 to other causes. Of the 132 cases attributed to moral causes, 89 were due to grief, 9 to fear, 13 to jealousy and 21 to other causes. The above figures point to the conclusion that indulgence in ganja is the most potent factor in the production of insanity in these Provinces. The Inspector-General of Civil Hospitals, however, remarks that in this country causes of insanity are involved in much obscurity, and are often unascertainable.

5. The health of the lunatics has been fairly good except in the Dullunda and Berhampore Asylums. At Dullunda the daily average number of sick was 12·89 against 7·65 in the previous year, while in Berhampore the average was 7·33 against 3·09. The sick list of the Dullunda Asylum is said to have swollen by an epidemic of chicken-pox and by the prevalence of fever. At

Berhampore bowel-complaints and fever were more than usually common. The diseases most prevalent in the asylums were anæmia and debility, diarrhœa, dysentery, fever, pneumonia and phthisis. The Lieutenant-Governor is glad to find that there was no epidemic visitation of cholera in any of the asylums, although the disease was more or less prevalent in the towns where the asylums are situated. There were 86 deaths against 85 in 1886. This gives an annual death-rate of 9·11 per cent., which only slightly exceeds that of the asylums in England.

6. There is a somewhat long catalogue of cases of injury. In the Dullunda Asylum one criminal lunatic killed another by striking him with an iron chopper while engaged in the kitchen. Another lunatic was severely injured by a warder. At Dacca there were three cases of injuries of trivial character. There was one case of suicide at Cuttack, and two at Berhampore. One lunatic escaped from the Patna Asylum. The Lieutenant-Governor trusts that steps will be taken to guard, as far as possible, against the recurrence of such cases.

7. This year again the number of male lunatics confined in the Dacca and Cuttack Asylums was in excess of the accommodation provided for them. At Dullunda the space allotted for female lunatics has been found insufficient for the number of patients admitted. The sanction of Government has been accorded to the conversion of the jail hospital building at Dacca into an asylum for female lunatics, and to certain additions and alterations in the asylum buildings at Cuttack. It is hoped that the orders under which fewer distiets are in future to send patients to Dullunda will afford sufficient relief. There is not a sufficient number of separate cells in the Dacca female asylum, but the defect is now being remedied. The Lieutenant Governor agrees with the Inspector-General of Civil Hospitals that the practice in some asylums of allowing harmless patients to sleep in the verandahs is objectionable, and he is requested to report whether, on the additional accommodation which it is proposed to provide being completed, this will any longer be necessary.

8. The following table shows the receipts and expenditure in each asylum during the year 1887 :—

Table showing the Receipts and Expenditure of each Asylum for the year 1887.

ASYLUMS		Total exper	...lised fron ...ment patients.	Actual profit from Manufacture Department.	Average cost of each patient as per column 3.	...verage ...t of eac patient deductir column and 5.	AVERAGE COST OF EACH PATIENT IN RELATION TO— ...blishment		10 medicir	11	12	13 Other charges.
		Rs. A. P.	Rs. A. P.	Rs. A. P	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Dullunda .	265 39	27,237 4 1	988 4 8	1 713 3 8	102 10 1	92 7 2	40 12 5	30 9	0 1 5	2 7	11 5 3	8 5 8
Dacca	221 56	16,761 11 6	114 13 6	1,417 9 0	75 10 5	67 8 11	36 15 3	31 3	0 0 8	2 14	3 15 7	0 9 9
Patna	234 73	16,297 15 0	215 13 0	1,559 4 2	69 6 11	61 13 11		26 13	0 0 3	2 '	3 13 2	0 0 11
Cuttack	62 88	6,235 11 9		158 13 10	99 15 8	96 14 5	— — —	27 0	0 1 5	1 15	1 14 8	5 13 5
Beerbhoom ...	169 05	13,464 1 0		724 12 9	79 10 3	75 5 8	46 7 2	27 13 10	0 1 0	1 11 10	2 9 5	0 15 0
Total	943 11	78,996 11 4	1,318 15 2	5,573 11 5	83 12 2	76 7 3	41 0 9	31 10 1	0 0 11	2 6 3	5 10 2	3 0 0

9. The total expenditure on the asylums during the year was Rs. 78,996-11-4 against Rs. 88,109-11-7 in 1886. The reduction of Rs. 9,113-0-3 is due partly to the diminution in the Public Works charges, and partly to the saving effected in the cost of diet. The average cost for each patient was Rs. 83-12-2 against Rs. 91-6-6 in the previous year. Dullunda continues to be the most costly of all the asylums. The total expenditure on diet amounted to Rs. 19,137 against Rs. 22,061 in 1886, thus showing a reduction of Rs. 2,924, due partly to the smaller number of lunatics dieted, and partly to the reduction in the price of food-supplies. The value of articles of diet supplied from the manufacturing departments amounted to Rs. 10,694 against Rs. 11,160 the year before. The cost of establishment was Rs. 20,008, and of superintendence Rs. 18,704.

The corresponding figures in 1886 were Rs. 20,061 and Rs. 18,401. The cost of clothing and bedding was Rs. 908 against Rs. 832, and the expenditure on account of manufactures amounted to Rs. 24,703 against Rs. 22,791 in 1886.

10. The number of patients in the European Asylum at Bhowanipore, at the beginning of the year, was 29, of whom 15 were males and 14 females. During the year 21 persons were admitted and 3 re-admitted, making a total of 53 patients; of these 8 were discharged cured, 2 were made over to military authorities, 2 were despatched to Europe under the Merchant Shipping Act, 4 were transferred to the care of friends, 2 were deported to Europe as still insane, and 4 died, leaving 31 patients in the asylum at the close of the year. The daily average number was 29 against 31 in 1886 The causes of insanity were chiefly intemperance, heredity and epilepsy. The death-rate in the asylum was 13·79 against 6·45 in 1886, but it is impossible to draw any conclusions from figures relating to so small an average population The total expenditure amounted to Rs. 20,709 against Rs. 20,271 in 1886, and the average yearly cost of each lunatic was Rs. 714 against Rs. 654 in the previous year. The receipts from paying patients amounted to Rs. 8,115 against Rs. 6,722 the year before.

11. The sanitary condition of the asylum has been much improved by filling up an offensive drain on the western side of the building, and substituting a shallow saucer-drain of pucca masonry.

12. The management of all the asylums appears to have been efficiently conducted, and the members of the subordinate staff are all well spoken of by their immediate superiors.

ORDER.—Ordered that a copy of this Resolution, together with a copy of the Report, be submitted to the Government of India in the Home Department.

Ordered also that copy of this Resolution be forwarded to the Inspector-General of Civil Hospitals, Bengal, for information and guidance.

By order of the Lieutenant-Governor of Bengal,

J. WARE EDGAR,

Chief Secretary to the Govt. of Bengal.

The 9th July 1888.—The following is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,
Secy. to the Govt. of Bengal.

PROSPECTUS.—POONA EXHIBITION OF NATIVE ARTS AND MANUFACTURES, 1888.

This Exhibition will be held in the month of October 1888.

UNDER THE PATRONAGE OF

H. E. THE RIGHT HON'BLE LORD REAY, LL D, G.C.I E.,

GOVERNOR OF BOMBAY.

Secretaries :

Damodar Janardhan Gokhale. Esq.
Narayan Bapuji Kanitkar, Esq.
Mahadeo Ballal Namjosi, Esq.

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,, ,, Dr. Vishram Ramji Gholy.
R. S Mahadeo Moreshwar Kunte.
,, ,, Narso Ramchandra Godbole.
,, ,, Gangaram Bhaoo Mhaske.

The Committee notice with great pleasure the fact that since the last Exhibition of Native Arts and Industries was held under the Presidency of the late Governor, Sir James Fergusson, Bart., K C S I., in 1883, the subject of the development of Native Arts and Manufactures has engaged the serious attention of both the Government and the people. The encouragement of native arts and indigenous manufactures is looked upon not only as an administrative necessity in the interests of economy, but also as an essential accompaniment to the practical development of the enlightened policy of satisfying the educational requirements of all the sections of the populations. The Poona Museum and Exhibition Committee propose to hold an Exhibition in or about October 1888, and hope to make it a greater success than those held before both from the educational and practical point of view. The Exhibition of this year is intended to serve a double purpose—to give encouragement to indigenous industries by bringing together to the notice of the general public such articles of native manufacture as are produced in the different parts of this country, and to secure the largest collection of exhibits that are likely to be both interesting and instructive to the hundreds of artizans and merchants engaged in the leading industries of these provinces

It would, in the very nature of the thing, be very difficult to carry out these objects without a representative and influential Committee organized for the purpose. It is a hopeful sign that such a Committee has been formed with His Excellency the Right Hon'ble Lord Reay, LL D., G C I E, as the Patron and the three Divisional Commissioners and Dr. Cooke, Prof Scorgje among the Members. The formation of this Committee is by itself a circumstance of great encouragement, and the Committee now venture to publish this prospectus for the information of the general public, without whose co-operation and sympathy it would be difficult to carry any such undertaking to a successful termination It may here be stated for general information that although the Exhibition is not limited to articles of any special class, the Committee would like to receive typical samples of Sind pottery, Shikarpur and other Sind embroidery, Hyderabad lacquerware, Cutch silverware, cotton prints, &c, Ahmedabad wood carving, brass jali work and kincops, Broach and Surat cottons and silks. Bombay inlaid work and carved furniture, Nasik and Poona brasswork, Yeola silks, Vijayadoorg hornware, Karwar carved woodware, Savantwadi paintings, &c.. &c. The Committee hopes to secure the best exhibits of typical industries in the other provinces, so that the skill and workmanship displayed in these samples may be useful as models to the manufacturers of our Presidency. As far as funds permit, prizes will be awarded to the best exhibits of each class.

It has been suggested that an Exhibition of improved tools and machines used in the several manufactures would go to materially assist in the improvement of native methods of manufacturing the different articles of trade, and endeavours are being made

to induce manufacturers of machines and machine tools, hand tools, &c., to exhibit their articles. Should these endeavours be successful, a separate section will be added to the Exhibition. Much depends upon the pecuniary help which the Committee would receive from Government and from the rulers of Native States, as also from the Municipalities, Mercantile Associations and the general public, and the Committee trust that the undertaking will not fail for want of pecuniary support.

Intending Exhibitors are requested to fill in the accompanying form and send it with the exhibits under a separate cover. Exhibits must reach the Secretaries on or before the 31st August 1888. Space cannot be guaranteed to articles received after that date.

It may be stated here for the information of gentlemen having in their private collections beautiful specimens of articles exhibiting rare skill and workmanship that the Committee is prepared to receive their articles on loan, and undertakes that special care will be bestowed in exhibiting them and returning them safe to their owners within a reasonable time after the close of the Exhibition.

The exact day on which the Exhibition will be opened will be duly published hereafter.

THE NAMES OF THE ARTICLES FOR WHICH PRIZES WILL BE AWARDED.

I.—Machinery—Instruments, Implements, and Tools of all sorts.
II.—Dyes and Pigments of different sorts and colours.
III.—Cotton, Woollen, Silk and Flax Manufactures, Spun and Woven, of all descriptions, including plain and embroidered work, Lace, &c.
IV.—Jewellery, including gold and silver Ornaments and Pots.
V.—Cutlery, including Arms, Weapons, Knives, Scissors, Locks, Razors, Nut-crackers, Pipes, Pillars, Pots, Images, and other articles of brass, copper, and other metals.
VI.—Furniture of Wood and Ivory of all kinds, including Walking-sticks, Turned articles, Snuff-boxes, and articles made of horn, such as Paper-cutters, Boxes, &c.
VII.—Stone-work, plain and carved.
VIII.—Pottery—Porcelain and Earthenware (glazed and unglazed), Bricks, Tiles for paving and roofing, Pipes, &c.
IX.—Glass-ware—Bangles, Bottles, Looking-glasses, Beads, &c.
X.—Toys, Play-things, and Fancy Articles of Stone, Wood, Metal, Wax, Earth, Paper, Glass, Cotton, Bhend, Peacock feathers, and other materials.
XI.—Cane-work of different sorts, Bamboo, and Grass Mattings, Baskets, &c.
XII.—Stationery of different sorts, including Inkstands, Weighing apparatus, Colour Cakes, Slates, Paper-weights, Pen-holders, Sandboxes, Paper of all varieties, Lead and Stone Pencils, and other articles in connection with Writing.
XIII.—Fine Arts—Oil and Water Paintings, Photographs, coloured and plain, Architectural Drawings, Models and Figures in clay, Plaster-of-Paris Wax, &c.
XIV.—Leather-work—Harness, Saddles, and Bridles, Boots, Slippers, Shoes, Cases, Bags, Boxes, Purses, Whips, Belts, Portmanteaus, &c.
XV.—Perfumery—Perfumed Oils, Scents, Perfume Powders, and Perfume for Burning, &c.
XVI.—Electro-plating and Gilding.
XVII.—Grains of all sorts, including Vegetable Seeds, &c.
XVIII.—Medicines, Oils and Spices of all sorts.
XIX.—Miscellaneous—Iron-safes, Umbrellas, Soaps, Fire-matches, Buttons, Made Pagries, Khus-khus Works, Candles, Sugar, Crackers, Needles, Varnish, &c.

A written statement in the following form is required from every competitor :—

No. of the articles.	Names of the articles.	Places where they are made.	Prices.	Names of the artisans who compete for a prize.

Poona Exhibition Hall,
Hirabag, 15th May 1888.

DAMODAR JANARDHAN GOKHALE.
NARAYAN BAPUJI KANITKAR.
MAHADEO BALLAL NAMJOSHI.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 7th July 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops
	BENGAL.		
	Western Districts.		
	BURDWAN DIVN		
1	Burdwan July 7, '88	7 94	Weather—seasonable. Sufficient rain for the present. Prospects of crops favourable. Common rice about 21 seers per rupee.
	Culna ...	6·10	
	Cutwa ...	3 64	
	Raneegunge ...	11·51	
2	Bankoora „ 7, '88	6 36	Weather—seasonable. Sowing and transplanting of both early and late rice are proceeding briskly in all parts of the district. Indigo and sugarcane are coming on well. Cotton is being gathered. No appreciable change in the rice market
3	Birbhum „ 7, '88	2·52	Weather—cloudy and showery; cool. Sugarcane and *dhan* have been improved by the rain, and new seedlings have been planted. Ploughing progressing. Much more rain wanted
	Rampore Haut	2 79	
4	Midnapur „ 7, '88	6·16	Sufficient rain everywhere, except in the south, where the fall has been very small. In the north-west rain has been very heavy. Some of the *aus* was withered and in places may have to be resown, but the *amun* seedlings have not been much affected
5	Hugli „ 7, '88	5·95	Weather seasonable Some irretrievable damage was done to jute, *aus*, and sugarcane by the heat and drought of the previous week, but it is not serious. Prospects of the above crops are now much improved, and those of other crops are now good.
	Serampur	3 99	
	Jehanabad ..	6 20	
	Howrah July 9, '88	3·18	Weather—rainy. State and prospects of crops improving.
	Ooloobheria ..	5 62	
	Central Districts.		
	PRESIDENCY DIVN		
6	24-Perghs. July 10, '88	4·03	Weather cloudy and rainy, but heat continues The recent rain has improved the prospects of the crops, but more rain is still wanted. Ploughing and transplanting going on.
7	Nuddea „ 7, '88	3 76	Weather—cloudy. Rain fell throughout the district. It has done much good to *aus* rice, jute, sugarcane, and indigo.
	Kushtea ...	5·12	
	Meherpur ..	5·72	
	Chooadanga ..	4 59	
	Ranaghat ..	6·48	
8	Khoolna „ 7, '88	5 16	Weather—seasonable. Rain has done much good to *aus* crop and has furthered cultivation of *amun* crop. *Til* outturn 12 annas.
9	Jessore „ 7, '88	7·74	Weather—hot and cloudy with occasional showers. Rain has benefited standing crops. Indigo and *amun* are looking up. More rain wanted.
	Jhenidah ..	6·12	
	Magoora	5·25	
	Narail ..	3·39	
	Bongong	1·90	
10	Moorshedabad „ 7, '88	4·00	Weather—hot and overcast with heavy showers of rain at intervals. Rain has done much good to the young *aus* and *amun* plants.
	Lalbagh ...	4 78	
	Kaudi	4·98	
	RAJSHAHYE DIVN		
11	Dinagepur July 7, '88	3·61	Weather—hot with showers. Transplanting in progress. Prospects favourable.
	Thakurgaon ...	1·95	
12	Rajshahye „ 7, '88	0 66	Weather—damp and disagreeable. Recent rain has done much good. Very little rain in the Sudder sub-division. Price of rice has not shown any further tendency to increase.
	Nattore ...	5·12	
	Nowgong ..	2·82	
13	Rungpur „ 7, '88	3·26	Weather—cloudy and showery. Some damage has been caused to *amun* seedlings in the Kurigram sub-division by excessive rain; otherwise prospects continue good.
	Kurigram ...	8·37	
	Nilphamari ...	5·37	
14	Bogra „ 7, '88	1·72	Weather—muggy with daily showers. If rain continues, standing crops will do well. Prospects fair in south-west and good elsewhere. Transplanting of *amun* begun. Outturn of *til* from 10 to 13 annas. Prices stationary.
	Sherpur ...	2·60	
	Nowkhilla ...	2·96	
15	Pubna „ 7, '88	6·74	Weather—seasonable. Prospects of crops moderately good. Rain has done much good.
	Serajgunge ...	3·62	
16	Darjeeling „ 7, '88	12·23	Weather—seasonable. State and prospects of crops favourable.
17	Julpigoree „ 7, '88	2·88	Weather—cloudy with occasional rain. *Bhadoi dhan* is being cut in places. Jute is doing well. Ploughing for *haimanti* paddy in progress.
	Eastern Districts.		
	DACCA DIVISION.		
18	Dacca „ 7, '88	2·07	Weather—mostly cloudy and cooler. Jute and paddy plants thriving. Harvesting of *aus* paddy in low lands nearly completed; that of jute going on in parts of the Munshigunge sub-division. Rivers are gradually rising. Prospects of crops good.
	Manickgunge ...	6·31	
	Munshigunge ...	8·83	
	Naraingunge ...	6·58	
19	Furreedpore „ 7, '88	4·86	Weather—seasonable. Owing to the rain of the last two weeks, prospects of all crops have improved, and are now satisfactory.
	Goalundo ...	5·42	
	Madaripur ..	4·63	
20	Backergunge „ 6, '88	7·13	Weather—seasonable. Prospects of crops good.
21	Mymensingh „ 6, '88	4·21	Weather—hot. Rain all over the district. Prospects of crops good.
	Jamalpur ...	6·93	
	Kishoregunge ...	10·89	
	Attia ...	4·85	
	Netrokona ...	8·40	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
	BENGAL—*concluded.*		
	Eastern Districts—concld.		
	Chittagong Divn.		
22	Chittagong July 10, '88	5·25	Weather—seasonable. Prospects of crops fair. Prices stationary.
	Cox's Bazar ...	Nearly 20 inches	
23	Noakholly „ 6, '88	9·61	Weather—seasonable. Prospects of crops have much improved. Transplantation of *amun* progressing.
	Fenny ...	5·83	
24	Tipperah „ 5, '88	4·15	Weather—rainy and seasonable. In north jute has been injured by excessive rain. In other parts of the district rain has done much good Paddy is flourishing everywhere.
	Brahmunberia .	9·85	
	Chandpur ...	9·15	
25	Chittagong Hill Tracts. „ 3, '88	2·1	Weather—cloudy with occasional slight rain. Prospects of *jum* paddy not good owing to drought. Rain badly wanted. Lands are being ploughed for late rice.
	Hill Tipperah „ 4, '88	4·27	Weather—rainy. *Amun* paddy being sown. *Jum* crops doing well. Prospects of sugarcane not bright.
	BEHAR.		
	Patna Divn.		
26	Patna „ 7, '88	5·21	Weather—hot and cloudy. *Bhadoi* and paddy sowings are being pushed on vigorously. The rain is however too late to do any good to deara *bhadoi* fields. Sugarcane promising well.
	Barh	2·95	
	Dinapur ...	5·16	
	Behar ...	4·40	
27	Gya „ 7, '88	2 66	Weather—cloudy. Sowing of *bhadoi* and paddy going on. *Bhadoi* is being transplanted. Sugarcane doing well.
28	Shahabad „ 7, '88	4·70	Weather—cloudy and rainy with occasional breaks. The rainfall of last week has greatly improved agricultural prospects. *Bhadoi* sowings have commenced, and rice is being transplanted. Sugarcane is doing well.
	Buxar ...	4·21	
	Sasseram ...	4·32	
	Bhabuah ...	3 97	
29	Durbhunga „ 7, '88	3·10	Weather—occasionally cloudy and close. Rainfall of the week has done immense good to the *bhadoi* crops, and to transplantation of rice. Rain still wanted. Price of common rice averages 18 to 19 seers per rupee.
30	Mozufferpur ...		Report not received.
31	Sarun „ 7, '88	6·57	Weather—cloudy and rainy. Rain has contributed much to *bhadoi* and paddy sowings and to *marua* transplanting, and has benefited considerably indigo and sugarcane.
	Sewan ...	4·35	
	Gopalgunge ...	4·92	
32	Chumparun „ 7, '88	6·35	Weather—hot; often cloudy and rainy. Prospects of all crops improved by the rainfall of the present and past weeks. *Bhadoi* doing well. Transplantation of paddy commenced.
	Bettiah ...	5·88	
	Bhagulpore Divn.		
33	Monghyr „ 7, '88	4 02	Weather—seasonable and cloudy with good showers at intervals. Rain has done immense good. Sowings, which were stopped for want of rain, have been resumed, and are going on busily
	Begusorai .	2·49	
	Jamui	3 47	
34	Bhagulpur „ 7, '88	4·30	Weather—seasonable. Prospects of all crops much improved Transplantation proceeding in north, and some lands being resown.
	Banka ...	1·85	
	Mudehpurah ...	3·05	
	Soopole .	5·83	
35	Purneah „ 7, '88	4 93	Weather—fine with heavy showers. State and prospects of crops excellent.
	Kishengunge ...	3·18	
	Arrareah ...	4·34	
36	Maldah „ 7, '88	3·82	Weather—cloudy with showers of rain from time to time. Prospects of crops improving, but more rain wanted, especially in the north of the district. Rivers rising. Common rice selling at an average of 22¼ seers per rupee.
	Chanchal .	1 37	
	Shibgunge ...	3 78	
	Gajole ...	2·40	
37	Sonthal Pergbs „ '88	3 37	Favourable rain. Heavy rain has fallen everywhere and has much improved the prospects of the crops. Resowings of *janera* and *dhan* are being carried on.
	Deoghur ...	6·08	
	Godda ..	4·88	
	Jamtara ...	7·18	
	Pakour ...	4·14	
	Rajmahal ...	3·16	
	ORISSA.		
	Orissa Divn.		
38	Cuttack July 6, '88	0·85	Weather—somewhat cooler; small showers here and there; still sultry; clouds appear and go without a heavy shower. Prospects not yet cheering. Local showers have improved the state of crops in the sub-divisions. The state of things in the Sudder sub-division has not improved. Rivers have slightly risen. Prices rising.
39	Pooree „ 5, '88	0·73	Weather hot. Rain is wanted for the first sowing of the winter rice crop (*sarad*). *Beali* is being weeded. Common rice 21 seers 12 chittacks per rupee in the Sudder sub-division and 19 seers 12 chittacks in the Khoordah sub-division. The sub-divisional Officer reports—" The seedling are withering, and unless rain falls soon, the prospects of the paddy crop will be ruined."
	Khoordah .	1·22	
40	Balasore „ 6, '88	1·40	Weather—cloudy and cool The rice crop has suffered much from the long drought, and in parts of the district one-third of it has died. There is now every appearance of rain, and if it comes in sufficient quantity, much of the land will be resown. Prices shew a tendency to rise.
	CHOTA NAGPORE.		
	South-West Frontier Agency.		
	Chota Nagpore Divn.		
41	Hazaribagh July 6, '88	5·72	Weather—seasonable. Ample rain everywhere. Prospects greatly improved. Agricultural operations in full swing. Sowings being made. Sugarcane recovering.
42	Lohardugga „ 7, '88	6·90	Weather—cloudy. Rain throughout the district. Cultivation vigorously going on. Prospects of crops good.
	Palamow	8·66	
43	Singbhoom „ 6, '88	2·96	The regular monsoon has not yet set in, though rain falls almost daily towards the evening. It is too soon yet to form an opinion of the effect of the late rain on the nearly burnt up *gora* seedlings.
44	Manbhoom „ 7, '88	5·29	Weather—cloudy and cool. Abundant rain has fallen, and agricultural operations are everywhere going on. Paddy and *bhadoi* crops are being sown. Sugarcane is doing well.
	Gobindpore ...	2·39	

Published for general information.

P. NOLAN.
Secy. to the Govt. of Bengal.

CALCUTTA, REVENUE DEPT.
The 10th July 1888.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	14 10	14 8	13 6	No sale.	40 0	...	16 11	17 4	18 0	21 0	22 8	23 4	...	-	...
2	Bankoora ...	13 8	13 8	16 0	16 0	20 0	20 0	18 0	18 8	19 0	18 1½	20 4	22 13	-	...	..
3	Beerbhoom ...	15 0	15 12	18 0	...	...	...	15 0	16 8	18 0	19 8	21 0	22 8	...	...	...
4	Midnapore ...	13 5	13 5	16 0	40 0	41 0	...	18 8	18 8	21 0	24 0	25 0	23 8	...	.	...
5	Hooghly .	14 0	14 0	15 0	...	...	...	10 0	10 0	10 0	18 0	18 0	18 0	..	..	...
	Howrah ...	Not	available.		...	...	...	13 4	13 12	13 8	17 12	18 12	20 0	...	..	...
	Central Districts.															
	Calcutta ..	13 8	13 6	14 4	21 8	22 8	20 4	11 13	11 11	9 8	16 13	17 4	19 2	20 13	21 1	21 0
6	24-Pergunnahs	14 4	14 0	14 0	21 0	24 0	26 4	8 0	8 0	8 0	17 8	19 0	18 4	...	...	...
7	Nuddea ...	15 14	6 6	16 0	26 1½	26 10½	35 8	14 8	14 8	16 0	17 13	17 12	19 3	...	..	...
8	Khoolna ...	...	..	...	...	...	..	19 0	19 0	18 0	21 0	21 0	21 0	...	...	...
9	Jessore ...	16 0	16 0	16 0	...	...	..	15 0	15 0	16 0	21 0	21 0	22 0	...		...
10	Moorshedabad	15 0	15 0	16 0	...	..	...	16 0	16 0	16 0	22 0	22 0	21 0	...	...	..
11	Dinagepore ...	14 2	15 4	10 12	...	42 11	19 0	18 0	19 4	16 12	22 0	22 4	21 0	...	...	...
12	Rajshahye ...	17 4	18 0	16 8	45 0	45 0	45 0	16 2	18 0	17 4	19 3½	21 0	18 12	...	...	...
13	Rungpore .	17 12	20 0	18 12	...	...	...	13 4	13 4	15 8	20 0	20 0	18 12	...	..	...
14	Bogra ...	16 8	15 12	15 0	...	...	...	15 12	15 12	13 8	25 8	26 4	21 0	..	...	...
15	Pubna ...	19 0	18 12	19 0	...	...	...	8 0	8 4	8 0	22 14	22 8	20 0	..	...	...
16	Darjeeling ...	10 0	10 0	9 0	10 0	10 0	11 0	5 0	5 0	5	14 0	14 0	13 0	...	...	...
17	Julpigoree ...	13 0	13 0	12 0	20 0	20 0	20 0	13 0	14 0	18 0	20 0	20 0	22 0	...	...	...
	Eastern Districts.															
18	Dacca ...	18 0	19 0	14 0	32 0	38 0	22 0	18 0	18 0	16 0	21 0	21 0	18 0	...	...	...
19	Furreedpore ...	24 0	24 0	24 0	40 0	40 0	26 0	15 0	15 0	17 0	24 0	24 0	20 0	...	...	...
20	Backergunge ...	...	...	...	...	...	...	16 14	15 8	17 0	20 0	20 0	20 0	...	...	...
21	Mymensingh ...	12 8	12 0	13 4	...	...	...	16 4	16 0	14 8	20 0	20 0	17 0	...	...	...

A In sub-divisions retail prices of salt per rupee are :—Culna 10½ seers, Cutwa 10 seers 11 chittacks, and Raneegunge 10 seers.
B At Rampore Haut retail price of salt 11½ seers per rupee.
C In sub-divisions retail prices of salt per rupee are :—Contai 10 seers, Tumlook 8 seers, and Ghattal 11¼ seers.
D In sub-divisions retail prices of salt per rupee are :—Serampore 10 seers and Johnnabad 10½ seers.
D1 In sub-divisions retail prices of salt per rupee are :—Baraset, Basirhat and Diamond Harbour (at Kalpihat) 9 seers, Barrackpore 9½ seers, and Dum-Dum 10 seers.
E In sub-divisions retail prices of salt per rupee are :—Kooshtea and Ranaghat 10 seers, and Meherpore and Chooadanga 10½ seers.
F In sub-division retail prices of salt per rupee are :—Satkhira 9 seers 2½ chittacks and Bagirhat 8 seers.
G In sub-divisions retail prices of salt per rupee are :—Jhenida and Magura 9 seers, Narail 7½ seers, and Bongong 10 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 30th June 1888.

Salt. Present return.	Salt. Next preceding return.	Salt. Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Wholesale Salt. Next preceding return.	Wholesale Salt. Corresponding return of last year.	Able-bodied Agricultural Labourer. Present return.	Labourer. Next preceding return.	Labourer. Corresponding return of last year.	Syce or Horse-keeper. Present return.	Syce. Next preceding return.	Syce. Corresponding return of last year.	Common Mason, Carpenter, or Blacksmith. Present return.	Mason. Next preceding return.	Mason. Corresponding return of last year.	DISTRICTS.
															BENGAL
															Western Districts.
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	
(A) 10 8	10 8	13 5	3 9 0	3 10 0	2 14 0	8 0	8 0	8 0	6 8*	6 8	6 8	10 0 to 15 0	10 0 to 15 0	10 0 to 15 0	Burdwan.
10 0	10 8	12 8	......	......	... ..	...	...	...	...	...	...	...	...	...	Bankoora.
(B) 10 0	10 0	12 12	3 13 0	3 12 0	3 0 0	6 0	4 0 to 6 0	4 0 to 6 0	6 0	5 0	5 0	7 8 to 10 0	7 8 to 10 0	7 8 to 10 0	Beerbhoom.
(C) 10 8	10 8	13 0	3 12 0	3 12 0	3 1 0	6 0	6 0	6 0	5 0 to 6 0	5 0	6 0	7 8 to 11 4	7 8 to 10 0	7 8 to 9 0	Midnapore.
(D) 9 0	9 0	13 8	4 6 0	4 6 0	2 14 0	9-13 6	10 0	7 8	5 0	6 0 to 7 0	5 0	15 0 to 25 0	12 0 to 25 0	10 0 to 20 0	Hooghly.
9 0	9 0	12 8	3 11 0	3 11 0	3 0 0	7 8 to 15 0	7 8 to 15 0	7 8 to 15 0	7 0	7 0	7 0	12 0 to 25 0	12 0 to 25 0	12 0 to 25 0	Howrah.
															Central Districts.
10 10	10 9	13 0	3 7 6	3 7 9	3 0 0	...	...	...	...	...	...	...	...	.	Calcutta.
(D1) 10 8	10 8	13 0	3 8 0	3 8 0	2 15 0	10 0	10 8	10 0	8 0 to 9 0	6 0	6 0	15 0 to 25 0	15 0 to 20 0	15 0 to 20 0	24-Pergunnahs.
(E) 9 13	9 13	11 10½	3 12 0	4 0 0	3 2 0	6 0	6 0	6 0	6 0	6 0	6 0	7 8 to 15 0	7 8 to 15 0	7 8 to 15 0	Nuddea.
(F) 10 0	8 0	10 8	...	4 8 0	3 12 0	7 8 to 9 6	9 0 to 15 0	9 0 to 15 0	7 0 to 8 0	6 0 to 8 0	6 0 to 8 0	15 0 to 30 0	10 0 to 16 0	10 0 to 16 0	Khoolna.
(G) 10 11	10 10	10 12	3 12 0	3 12 0	3 2 0	...	...	...	...	...	...	...	...	...	Jessore.
(H) 10 8	10 8	12 0	3 12 0	3 12 0	3 5 0	5 0	5 0	5 0	5 0	5 0	5 0	7 8	7 8	7 8	Moorshedabad.
(I) 10 0	10 0	12 4	3 14 0	3 14 0	3 4 0	7 8	7 8	7 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	10 0 to 15 0	10 0 to 16 0	10 0 to 15 0	Dinagepore.
(J) 9 0	9 0	12 0	4 1 4	4 0 0	3 2 6	...	...	....	...	...	...	...	...	...	Rajshahye.
(K) 10 0	10 0	10 5	. .	... ..	3 8 0	7 8	7 8	7 8	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	8 0 to 20 0	12 0 to 15 0	12 0 to 15 0	Rungpore.
9 12	7 14	10 8	3 12 0	5 0 0	3 8 0	6 0 to 7 8	7 0 to 7 8	6 0 to 7 8	5 0 to 7 0	6 0 to 7 0	5 0 to 7 8	10 0 to 20 0	6 0 to 7 0	10 0 to 22 0	Bogra.
(L) 10 0	10 0	12 0	......	.. ...	3 5 0	5 0 to 7 0	6 0 to 7 8	6 0 to 7 8	6 0 to 10 0	6 0 to 10 0	5 0 to 6 0	8 0 to 20 0	12 0 to 20 0	12 0 to 20 0	Pubna.
8 0	8 0	9 0	... ..	......	4 6 0	6 0	6 0	6 0	7 0 to 9 0	7 8 to 9 0	7 8 to 9 0	12 0 to 22 0	12 0 to 22 0	12 0 to 22 0	Darjeeling.
(M) 9 8	9 0	11 0	4 2 0	4 2 0	3 6 0	7 8	6 0	7 8	7 0	7 0	8 0	15 0 to 16 0	12 0 to 16 0	15 0 to 25 0	Julpigoree.
															Eastern Districts.
(O) 8 8	8 8	14 0	4 4 0	4 4 0	3 8 0	6 0 to 8 0	6 0 to 8 0	5 8 to 8 0	8 0 to 15 0	5 0 to 8 0	8 0	8 0 to 20 0	8 0 to 20 0	8 0 to 20 0	Dacca.
9 0	9 0	12 0	4 5 0	4 5 0	3 1 0	7 8	7 8	7 0	7 0	7 0	7 0	10 0 to 15 0	12 0 to 15 0	12 0 to 15 0	Furreedpore.
(P) 10 10	10 0	12 0	3 12 0	3 12 0	3 4 0	7 8	8 0	8 0	6 0	6 0	6 0	12 0 to 15 0	12 0 to 15 0	10 0 to 15 0	Backergunge.
(Q) 8 8	8 8	12 0	4 6 0	4 6 0	3 5 0	7 0 to 10 0	7 0 to 10 0	7 0 to 10 0	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	12 0 to 30 0	12 0 to 30 0	12 0 to 30 0	Mymensingh.

* Rs. 6-8 and lodging and perquisites.

H In sub divisions retail prices of salt per rupee are :—Kandi 11 seers and Jungipore 10 seers.
I In the Thakurgaon sub-division retail price of salt 8 seers per rupee
J In the sub-divisions retail prices of salt per rupee are :—Nattore 9⅞ seers and Nowgong 9 seers 9 chittacks.
K In sub-divisions retail prices of salt per rupee are :—Kurigram 9 seers, Nilphamari 10 seers, and Gaibanda 7½ seers.
L In the Serajgunge sub-division retail price of salt 10½ seers per rupee.
M At Fallacutta in the Alipore sub-division retail price of salt 8 seers per rupee.
O In sub-divisions retail prices of salt per rupee are :—Manickgunge and Naraingunge 9 seers, and Munshigunge 8⅞ seers.
P In sub-divisions retail prices of salt per rupee are :—Patuakhali 8 seers, Perozepore 9 seers, and Bhola 10½ seers.
Q In sub-divisions retail prices of salt per rupee are :—Kishoregunge, Jamalpore and Sherepore 8 seers, Attia 10½ seers, and Netrokona 9 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded.**	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	12 0	11 8	16 0	...	...	...	13 0	13 0	12 0	20 0	20 0	16 9	.	...	..
23	Noakholly ...	...	...	...	...	...	...	17 0	19 0	18 0	19 0	21 0	20 0	...	...	...
24	Tipperah ...	12 8	12 8	11 6	...	...	...	17 8	17 8	15 0½	22 0	22 0	17 13	..	..	..
25	Chittagong Hill Tracts.	...	...	...	...	...	...	13 5	13 14	11 7	14 8½	15 4	12 5	...	.	...
	Hill Tipperah...	8 0	8 0	12 0	...	...	...	10 0	10 0	10 0	20 0	22 0	14 0	...	.	..
	BEHAR.															
26	Patna ...	19 0	19 0	18 0	25 0	28 0	28 0	11 8	11 8	11 8	19 0	20 0	21 0	...	...	26 0
27	Gya ...	17 0	17 0	16 0	21 0	24 0	35 0	11 0	11 0	9 8	16 0	16 0	18 8	...	...	...
28	Shahabad ...	16 12	17 0	15 0	22 0	25 0	30 0	9 0	10 0	8 0	15 8	16 0	17 0	...		...
29	Durbhunga ...	17 0	16 8	17 8	28 10	30 0	28 0	13 0	13 0	12 0	18 10	19 0	10 0	...	...	...
30	Mozufferpore ...	16 0	16 0	20 0	25 0	25 0	30 0	12 0	12 0	10 0	17 0	18 0	20 0	...	...	...
31	Sarun ...	17 0	17 2	14 0	22 4	24 8	28 0	9 8	9 8	8 0	18 4	19 4	20 0	...	...	...
32	Chumparun ...	17 0	17 0	19 8	28 0	30 0	35 0	7 8	8 0	...	17 0	17 0	16 0	...	...	—
33	Monghyr ...	17 13	17 12	18 9	24 2	27 15	33 8	12 1	13 10	13 14	13 9	15 12	17 5	14 2	15 12	21 0
34	Bhagulpore ...	17 10	18 4	17 10	25 4	25 4	37 14	13 14	15 2	17 10	17 0	17 10	18 15	...	...	
35	Purneah ...	20 0	20 0	16 0	...	29 0	...	18 0	19 0	16 0	21 0	20 0	19 0	...	...	..
36	Maldah ...	17 8	18 0	16 0	...	...	...	13 0	14 0	14 0	19 8	20 0	20 0	...	...	..
37	Sonthal Pergunnahs.	13 0	13 8	14 0	...	...	...	16 0	16 8	17 0	18 0	20 0	25 0	..	.	.
	ORISSA.															
38	Cuttack ...	11 13	10 8	14 7	...	...	...	10 8	11 13	13 2	17 1	19 11	19 11	..	...	.
39	Pooree ...	10 8	13 2	11 13	...	...	...	11 13	11 13	13 2	21 0	21 0	23 10	—	—	-
40	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	15 0	25 0	26 0	25 0	...	...	-
	CHOTA NAGPORE. *South-West Frontier Agency*															
41	Hazaribagh ...	13 0	13 0	19 0	17 0	17 0	18 0	7 0	8 0	9 0	13 8	14 0	18 0	Not procurable.		
42	Lohardugga ...	18 0	12 0	23 0	...	...	28 0	15 0	15 0	17 0	16 8	18 0	23 0	...	—	...
43	Singbhoom ...	12 0	12 0	20 0	16 0	16 0	32 0	12 0	12 0	20 0	16 0	20 0	24 0	...	—	—
44	Manbhoom ...	13 5	13 5	18 0	...	...	36 0	13 8	14 0	17 0	20 0	21 0	28 0	...	...	..

R At Cox's Bazar retail price of salt 8 seers per rupee.
S At Panchgachia Hát in the Fenny sub-division retail price of salt 8 seers per rupee.
T In sub-divisions retail prices of salt per rupee are :—Nowada 8 seers, Aurungabad 9 seers
U In sub-divisions retail prices of salt per rupee are :—Sasseram and Bhabuah 9½ seers, and Buxar 10 seers.
V In Tajpore sub-division retail price of salt 10 seers per rupee.
W In sub-divisions retail prices of salt per rupee are :—Hajpore 9½ seers and Sitamarhi 10 seers.

CALCUTTA,
The 10th July 1888.

Station Bazars of the Districts of Bengal on the 30*th June* 1888—(concluded).

Salt. Present	Salt. Nex[t] re[...]	Salt. [Corres]ponding [...] [la]st year.	Wholesale prices per maund of 40 seers. Salt. Pr[esent]	Salt. Next re[...]	Salt. [...] of	Able-bodied Agricultural Labourer.			Syce or Horse-keeper.		[C]orresponding of last year.	Common Mason, Carpenter, or Blacksmith.		[Cor]responding [o]f last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	*Eastern Districts*—concluded.
R 9 0	9 0	10 0	3 14 0	3 14 0	3 12 0	...	...	...	...	...	...	...	...	...	Chittagong.
S 8 0	8 0	9 0	4 8 0	4 8 0	3 12 0	7 8 to 9 0	7 0 to 10 0	7 0 to 8 0	4 0 to 7 0	5 0 to 7 0	5 0 to 7 0	8 0 to 15 0	7 0 to 20 0	8 0 to 15 0	Noakholly.
8 0	8 0	11 8	4 10 0	4 10 0	3 7 0	7 0 to 10 0	10 0	6 0 to 9 0	7 0 to 8 0	8 0	8 0 to 7 0	8 0 to 15 0	12 0 to 15 0	7 0 to 16 0	Tipperah.
8 0	8 0	8 0	...	4 8 0	4 8 0	9 6	9 6	9 6	...	...	...	...	...	...	Chittagong Hill Tracts.
9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	8 0	8 0	8 0	6 0	6 0	6 0	15 0	15 0	15 0	Hill Tipperah.
															BEHAR.
10 0	9 8	11 12	3 12 0	3 12 0	3 1 6	...	...	...	...	...	...	...	...	...	Patna.
9 8	9 8	11 0	4 4 0	4 4 0	3 5 0	...	...	...	...	...	...	...	...	...	Gya.
10 0	10 0	12 0			3 5 0	...	...	...	...	...	...	...	...	...	Shahabad.
10 0	10 0	11 8	3 10 0	3 10 0	3 4 0	2 12 to 5 0	2 8 to 5 0	2 12 to 5 0	3 0 to 5 0	2 8 to 5 0	3 0 to 5 0	3 12 to 9 8	3 8 to 8 8	3 12 to 9 8	Durbhunga.
W 10 0	10 0	12 0	3 12 0	3 12 0	3 4 0	...	...	...	...	...	...	...	...	...	Mozufferpore.
10 4	10 0	12 0	3 12 6	3 14 0	3 2 3	3 12 to 7 8	3 12 to 7 8	3 12 to 7 8	4 0 to 7 0	4 0 to 7 0	4 0 to 6 0	6 9 to 10 0	6 9 to 10 0	6 9 to 10 0	Sarun.
W1 8 0	9 8	12 0	4 0 0	4 0 0	3 4 0	...	...	...	...	...	...	...	...	...	Chumparun.
X 10 0	10 0	12 9	3 12 9	3 12 9	3 0 0	4 0 to 5 0	5 10	4 0 to 5 0	3 0 to 5 0	3 0 to 4 0	3 0 to 5 0	5 0 to 12 0	6 0 to 8 0	5 0 to 12 0	Monghyr.
0 1	10 1	12 10			3 0 0	3 12 to 5 10	3 12 to 5 10	3 12 to 5 10	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	5 10 to 11 4	6 9 to 11 4	6 9 to 11 4	Bhagulpore.
8 8	8 8	10 8	4 6 0	4 8 0	3 8 0	4 11 to 5 10	4 11 to 5 10	4 11 to 5 10	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	7 0 to 16 0	7 0 to 16 0	7 0 to 16 0	Purneah.
9 8	9 8	11 8	4 0 0	4 2 0	3 5 0	7 0	5 0	5 0	5 0	5 0	5 0	7 0 to 12 0	7 0 to 15 0	7 0 to 11 0	Maldah.
10 0	10 0	11 8	3 14 6	3 14 0	3 4 6	3 12	3 12	3 12	5 0	5 0	5 0	7 8 to 9 6	7 8 to 9 6	7 8 to 9 6	Sonthal Perghs.
															ORISSA.
9 0	9 0	13 0	4 7 0	4 7 0	3 1 0	5 10	5 10	5 10	4 0	4 0	4 0	7 8 to 10 0	7 8 to 10 0	7 8 to 10 0	Cuttack.
Z 8 8	10 8	14 7	4 8 0	3 8 0	2 10 0	6 0	6 0	6 0	5 0	5 0	5 0	8 0 to 10 0	8 0 to 10 0	8 0 to 10 0	Pooree.
Z1 9 8	9 8	10 8	4 0 0	4 0 0	3 5 0	5 10 to 7 8	5 10 to 7 8	5 10 to 7 8	4 0 to 6 0	4 0 to 6 0	4 0 to 6 0	7 8 to 10 0	7 8 to 9 6	7 8 to 9 6	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
8 0	8 0	10 0	4 12 0	4 12 0	3 10 0	3 12 0	3 12	3 12	5 0	3 0 to 4 0	4 0	8 0	7 8	8 0	Hazaribagh.
Z2 8 3	8 0	9 12	4 14 0		4 0 0	3-4-6 to 3-12-0	3-4-6 to 3-12-0	3 0 to 4 8	3 8 to 6 0	3 0 to 4 8	3 8 to 5 0	4 11 to 14 1	6 0 to 12 0	6 0 to 12 0	Lohardugga.
6 8	6 8	9 0	5 8 0	5 12 0	4 0 0										Singbhoom.
Z3 9 2	8 0	10 10	4 4 0	4 6 0	3 8 0										Maubhoom.

The increase is due to the fact that the old stock has exhausted and the new stock is not yet in the market.
W1 In the Bettiah sub-division retail price of salt 9 seers per rupee.
X In sub-divisions retail prices of salt per rupee are :—Beguserai 9¼ seers and Jamui 9 seers.
Y In sub-divisions retail price of salt per rupee were :—Kishengunge 9 seers and Arrareah (at Ranigunge) 9¾ seers.
Z In the Khoordah sub-division retail price of salt 8 seers per rupee.
Z1 At Bhadruck retail price of salt 8 seers per rupee.
Z2 At Daltongunge retail price of salt 7 seers 14 chittacks per rupee.
Z3 At Govindpore retail price of salt 8 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 4	2 11 10	2 10 0	1 10 4	1 8 8	1 9 6	3 2 4	3 2 7	3 2 3	2 1 11	2 1 5	1 13 3
2	Serajgunge ...	2 0 0	2 0 0	...	...	...	...	3 0 0	3 1 0	4 0 0	1 15 0	1 14 0	2 2 0
3	Dacca ...	2 2 0	2 0 0	2 12 0	1 3 0	1 0 0	1 11 0	2 2 0	2 2 0	2 7 0	1 14 0	1 14 0	2 2 0
4	Naraingunge	...	...	...	...	...	...	2 0 0	2 0 0	2 4 0	1 12 0	1 12 0	2 0 0
5	Chittagong ...	3 4 0	3 6 0	3 6 0	...	...	...	2 13 0	2 14 0	3 2 0	1 14 0	1 14 0	2 4 0
6	Patna ...	2 0 0	2 0 0	2 4 0	1 8 0	1 6 0	1 5 3	3 0 0	3 0 0	3 0 0	2 1 0	1 15 0	1 13 0
7	Balasore ...	2 8 0	2 8 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	2 8 0	1 8 0	1 7 0	1 7 0
	Pooree ...	...	...	...	...	...	...	...	...	...	1 14 0	1 14 0	1 8 0
9	Cuttack ...	3 4 0	3 10 0	2 10 0	...	...	...	3 10 0	3 4 0	3 0 0	2 2 0	2 0 0	2 0 0

CALCUTTA,
The 10*th July* 1888.

undermentioned Marts of Bengal on the 30*th June* 1888.

Gram, Chana, Chhola, Cadalay or Sunaua. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or thur Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 11 6	1 12 1	1 10 9	1 11 0	1 11 11	1 10 0	1 15 6	1 15 10	1 15 0	0 6 0	0 6 2	0 6 9	3 7 6	3 7 9	3 0 0	Calcutta.
2 8 0	2 6 6	...	...	...	...	...	...	...	...	...	...	3 12 0	3 11 6	3 0 0	Serajgunge.
2 3 0	2 1 0	2 7 0	...	...	...	2 5 0	2 0 0	2 6 0	0 5 0	0 5 0	0 5 0	4 4 0	4 4 0	3 3 0	Dacca.
2 4 0	2 4 0	2 0 0	...	...	...	2 8 0	2 8 0	2 8 0	0 10 0	0 10 0	0 8 0	4 0 0	4 0 0	3 2 0	Naraingunge.
2 6 0	2 6 0	2 10 0	...	...	...	3 12 0	3 12 0	4 4 0	0 5 0	0 5 0	0 6 0	3 14 0	3 14 0	3 12 0	Chittagong.
1 9 6	1 6 0	1 5 6	...	...	1 8 0	1 8 0	1 6 0	1 8 0	0 5 0	0 5 6	0 5 0	3 12 0	3 12 0	3 1 6	Patna.
2 4 0	2 6 0	2 8 0	...	...	...	3 0 0	3 0 0	3 4 0	0 4 0	0 4 0	0 4 3	4 0 0	4 0 0	3 5 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	*4 8 0	3 8 0	2 10 0	Pooree.
(Kalai). 2 5 0	2 2 0	2 0 0	...	...	...	3 0 0	2 5 0	...	0 8 0	0 8 0	0 8 0	4 7 0	4 7 0	3 1 0	Cuttack.

* The increase is due to the fact that the old stock has exhausted and the new stock is not yet in the market.

Published for general information.

P. Nolan,
Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

Names of Marts.	Stock in hand as compiled on—						
	1st week of July 1887.	1st week of August 1887.	1st week of Sept. 1887.	1st week of Oct. 1887.	1st week of Nov. 1887.	1st week of Dec. 1887.	1st week of Jan. 1888.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	7,61,000	6,72,000	5,51,000	5,13,000	4,66 000	3,42 000	3,97,000
Ooltadanga	73,000	53,600	67,000	66,100	63,900	70,400	78,000
Chitpore, Golabaree, Coomertooly, Hatkhola, and Oalny Ghât.	5,85,000	6,17,200	5,29,500	6,14,500	6,12,100	6,27,800	5,74,800
Pathuriaghatta, Posta, and Jorabagan.	3,000	2,000	2,500	3,000	4,000	5,000	5 000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1,11,700	1,07,800	1,07,100	1,09,500	99,400	88,100	1,20,700
21 Minor Bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreswur, and Chandernagore.	6,430	34,740	51,202	40,759	30,616	21,031	27,029
Total ...	20,30,130	19,77,340	17,98,302	18,36,839	17,66,016	16,44,331	16,93,129
On Railway premises on both sides of the river.	6,136 (on 4th July '87.)	4,244 (on 4th August '87.)	18,930 (on 3rd September '87.)	6,722 (On 10th October '87.)	7,606 (on 4th Nov. 1887.)	4,532 (on 5th Dec. 1887.)	15,026 (on 4th January '88.)
On boats unloaded ... By Port Commissioners' returns.	27,270 (1st to 3rd July 1887.)	79,980 (1st to 3rd August 1887.)	50,919 (1st to 3rd September '87.)	43,408 (4th to 6th October 1887.)	23,645 (1st to 3rd Nov. 1887.)	45,458 (1st to 3rd Dec. 1887.)	39,865 (on 3rd to 5th January '88.)
On boats unloaded ... By Canal returns	24,701 (1st to 3rd July 1887.)	28,344 (1st to 3rd August 1887.)	53,107 (1st to 3rd September '87.)	52,320 (1st to 3rd October 1887.)	45,191 (1st to 3rd Nov. '87.)	51,327 (1st to 3rd Dec. '87.)	1,42,639 (1st to 3rd Jan. '88.)
Grand Total of Stocks ...	20,88,287	20,89,908	19,31,318	19,30,367	18,42,468	17,45,646	19,40,639
Probable stock available for exportation by sea.	10½ lakhs	10½ lakhs	8¾ lakhs	8½ lakhs	8 lakhs	7½ lakhs	9½ lakhs

Names of Marts.	1st week of Feb. 1888.	1st week of Mar. 1888.	1st week of April 1888.	1st week of May 1888.	1st week of June 1888.	1st week of July 1888.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	7,84,000	8,51,100	10,07,000	9,43,000	8,66,000	7,07,000
Ooltadanga	75,900	87,700	1,64,200	1,42,900	1,43,300	1,34,400
Chitpore, Golabaree, Coomertooly, Hatkhola, and Oalny Ghât.	4,82,200	6,06,100	6,61,500	6,73,100	6,49,900	6,17,600
Pathuriaghatta, Posta, and Jorabagan.	4 000	3,700	5,000	4,100	4,000	3,700
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1,47,600	1,98,100	1,96,000	1,44,700	1,44,500	1,32,800
21 Minor Bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreswur, and Chandernagore.	12,194	9,277	12,842	13,310	15,687	14,455
Total ...	19,95,894	22,48,877	25,37,142	24,10,910	23,13,387	20,99,955
On Railway premises on both sides of the river.	13,458 (on 3rd Feb. '88.)	22,936 (on 3rd Mar. 1888.)	22,345 (on 4th April 1888.)	8,290 (on 4th May 1888.)	7,458 (on 4th June 1888.)	7,624 (On 4th July 1887.)
On boats unloaded ... By Port Commissioners' returns.	83,731 (1st to 3rd Feb. '88.)	70,553 (1st to 3rd March 1888.)	46,646 (1st to 3rd April 1888.)	14,021 (1st to 3rd May 1888.)	36,672 (1st to 3rd June 1888.)	36,787 (1st to 3rd July 1888.)
On boats unloaded ... By Canal returns	2,13,833 (1st to 3rd Feb. 1888.)	1,91,987 (1st to 3rd March 1888.)	85,659 (1st to 3rd April 1888.)	46,728 (1st to 3rd May 1888.)	25,540 (1st to 3rd June 1888.)	25,366 (1st to 3rd July 1888.)
Grand Total of Stocks ...	23,06,916	25,33,453	26,91,992	24,79,949	23,83,057	21,72,732
Probable stock available for exportation by sea.	12½ lakhs	14½ lakhs	16½ lakhs	14½ lakhs	13½ lakhs	11½ lakhs

STATISTICAL DEPARTMENT,
The 10th July 1888.

P. NOLAN,
Secretary to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of June 1888.

	Inches.	Date.	Hour.
The mean pressure of the month	29·507		
The average pressure of June from 24 years' registers ...	29·549		
The highest pressure in the month	29·652	1st	10h.
The lowest pressure in the month	29·345	11th	16h.
The range of pressure	0·307		
	Hours.		
The total number of hours of bright sunshine during the month	141·2		
The maximum possible number of hours of sunshine ...	403·4		
	⊖		
The mean temperature of the month	88·1		
The average temperature of June from 24 years' registers ...	85·0		
The highest temperature in the month	106·6	14th	
The lowest temperature in the month	72·9	3rd	
The range of temperature during the month	33·7		
The mean daily range of temperature	16·6		
The greatest range of temperature in one day	24·5	14th	
	Per cent.		
The mean humidity of the month	76		
The average humidity of June from 24 years' registers ...	81		
	Inches.		
The mean vapour tension of the month	0·993		
The average vapour tension of June from 9 years' registers ...	0·998		
The mean cloud proportion of the month	6·11		
The average cloud proportion of June from 11 years' registers	7·13		
	Inches.		
The total rainfall of the month	3·26		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the guage about 52 feet above the ground)	3·22		
The average fall of June from 48 years' registers ...	12·08		
The greatest fall in 24 hours	0·88	3rd	
	Days.		
The number of rainy days in the month ...	7		
The average number of rainy days in June from 24 years' registers	19		
	⊖		
The mean maximum equilibrium temperature of solar radiation during the month	150·4		
The mean difference of sun and air temperatures	54·0		
The greatest sun temperature	165·4	15th	
The greatest excess of sun over air temperature	62·7	1st	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	77·0		
The mean depression of the noctural radiation thermometer below the minimum air temperature at 4 feet above the ground	2·9		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	6·0	14th	
	Miles.		
The mean movement of the wind per day ...	153·4		
The greatest movement of the wind in one day ...	261·0	27th	
The greatest movement of the wind in one hour ...	20·0	25th,	10 to 11 A.M. & noon to 1 P.M.

The number of hours with winds from each of the 8 points—

N. 42, NE. 12, E. 27, SE. 109, S. 311, SW. 140, W. 44, NW. 25, Calm 10.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0·5° higher; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 9th July 1888.

Meteorological Report of the Province of

	DISTRICT.	Representative stations.	Air Pressure. Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Temperature. Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Humidity. Mean, 10 A.M., humidity.	Variation from normal mean.	Cloud. Mean cloud amount, 10 A.M.	Variation from normal mean, 10 A.M.	Rainfall.
	Pooree ...	Pooree ...	29·602	29·492	29·596	29·608	—	100·5	71·6	89·9	81·1	85·5	—	85	—	5·4	—	3·00
		Gopalpore ...	29·637	29·490	29·567	29·617	—·013	93·7	78·8	89·1	83·7	85·9	+2·0	77	—	3·5	—1·9	3·58
		False Point ...	29·650	29·483	29·583	29·604	—·020	106·0	76·1	92·7	81·0	86·9	+3·7	73	—10	6·2	—0·6	2·53
	Cuttack ...	Cuttack ...	29·586	29·409	29·517	29·596	—·015	111·4	66·3	103·3	82·5	92·9	+8·8	53	—21	4·8	—1·9	1·05
	Balasore ...	Balasore ...	29·620	29·420	29·519	29·576	—·033	113·0	71·8	99·4	80·5	90·0	+5·2	60	—	3·7	—	1·21
	South-West Midnapore and South 24-Pergunnahs.	Saugor Island ...	29·666	29·402	29·556	29·582	—·026	96·7	70·5	93·6	83·4	88·5	+4·7	76	— 7	8·1	+0·6	1·10
	Midnapore ...	Midnapore ...	29·555	29·327	29·436	29·583	—·027	112·4	72·2	102·7	80·8	91·7	+5·0	53	—	1·6	—	3·67
	24-Pergunnahs, Howrah and Hooghly.	Calcutta ...	29·653	29·412	29·548	29·569	—·039	106·8	72·7	96·6	79·9	88·3	+4·9	68	—16	5·6	—1·5	3·24
	Burdwan ...	Burdwan ...	29·603	29·352	29·461	29·559	—·039	108·7	74·4	10[illegible]·9	80·6	90·8	+6·0	62	—15	3·9	—3·4	4·75
	Bankoora ...	Bankoora ...	29·372	29·147	29·250	—	—	112·6	71·1	103·1	80·3	91·7	—	56	—	3·3	—	7·26
	West Burdwan and Beerbhoom.	Ranigunj ...	29·380	29·117	29·227	29·527	—·044	112·5	73·9	103·1	81·3	92·2	+5·1	56	—	3·2	—	6·11
	Moorshedabad ...	Berhampore ...	29·633	29·392	29·501	29·567	—·034	102·7	71·8	95·9	79·1	87·5	+2·6	77	— 6	6·8	—1·4	4·22
	Nuddea ...	Krishnagore ...	29·593	29·378	29·498	29·563	—	101·8	72·8	97·2	79·3	88·3	—	67	—	4·2	—	7·08
	Jessore and Khoolna ...	Jessore ...	(29·655	29·492	29·582	29·615	+·001)?	101·8	73·4	96·0	79·9	88·0	+3·9	75	— 9	6·5	—1·3	9·25
	Chittagong ...	Chittagong ...	29·660	29·424	29·571	29·661	—·018	100·7	71·5	89·5	77·2	83·4	+2·0	81	— 5	7·9	+0·5	8·63
	Chittagong Hill Tracts	Demagri ...																
	Backergunj ...	Barrisal ...	29·686	29·462	29·592	29·604	—·044	95·3	74·0	91·9	80·0	86·0	+4·2	80	—	7·8	—	6·87
	Noakholly ...	Noakholly ...	29·680	29·484	29·591	29·635	—·035	90·3	74·8	87·3	80·7	84·0	+2·3	—	—	8·9	—	8·99
	Furreedpore ...	Furreedpore ...	29·686	29·450	29·565	29·614	—·020	95·5	72·9	91·6	78·6	85·1	+1·0	81	—	4·0	—	8·31
	Dacca ...	Dacca ...	29·697	29·449	29·575	29·597	—·022	95·1	72·1	90·9	79·2	85·1	+1·4	81	— 6	6·5	— 1·1	7·22
	Commillah ...	Commillah ...	29·693	29·451	29·578	29·613	—·034	93·3	70·8	90·2	77·9	84·0	+2·0	80	—	4·3	—	6·23
	Mymensingh ...	Mymensingh ...	29·677	29·432	29·554	29·61	—·037	90·8	72·6	87·6	77·1	82·4	0	83	—	7·0	—	8·19
	Bogra ...	Bogra ...	29·617	29·394	29·509	29·572	—·053	94·8	72·3	90·3	77·1	83·7	+0·2	79	—	4·8	—	5·15
	Pubna ...	Serajgunj ...	29·652	29·419	29·541	29·587	—·046	94·1	71·7	90·2	77·3	83·8	+1·0	82	—	5·7	—	5·36
	Rajshahye ...	Rampore Beauleah.	29·628	29·390	29·507	29·576	—·016	100·4	65·7	93·4	75·7	81·6	+1·0	77	—	3·2	—	2·49
	Maldah ...	Maldah ...	29·621	29·303	29·456	—	—	103·9	73·3	100·3	78·9	89·6	—	65	—	3·6	—	1·38
	Dinagepore ...	Dinagepore ...	29·610	29·205	29·448	29·567	—·043	94·1	71·1	89·3	76·9	83·1	+0·3	81	—	6·2	—	13·30
	Rungpore ...	Rungpore ...	29·617	29·365	29·482	29·607	—·054	93·8	71·7	88·9	75·2	82·1	+0·1	83	—	3·4	—	11·11
	Julpigoree and Cooch Behar.	Julpigoree ...	29·494	29·195	29·318	29·605	—·061	92·0	69·8	80·3	74·2	80·3	—1·1	87	—	2·8	—	27·70
	Darjeeling Hill Tracts ...	Darjeeling ...	22·532	22·787	22·880	—	—·010	71·6	50·6	60·6	55·3	60·9	—1·3	94	— 1	8·6	+0·1	7·38
NORTH BEHAR.	Purneah and North Bhagulpore.	Purneah ...	29·597	29·358	29·455	29·380	—·023	99·3	70·6	92·1	75·0	83·6	—1·2	76	— 3	2·8	—3·2	1·67
	Mozufferpore ...	Mozufferpore ...																
	Durbhunga ...	Durbhunga ...	29·515	29·290	29·400	29·565	—·025	102·0	73·4	94·3	80·4	87·4	+2·9	75	— 2	4·2	—0·6	0·39
	Chumparun ...	Motihari ...	29·433	29·221	29·324	29·549	—·038	105·8	68·3	96·1	77·5	86·8	+1·3	70	—	4·6	—	6·88
	Sarun ...	Chupra ...	29·401	29·216	29·356	29·546	—·035	103·5	70·2	94·8	81·2	88·0	+0·2	70	—	1·9	—	1·04
SOUTH BEHAR.	Shahabad ...	Dehree ...	29·315	29·081	29·189	29·532	—·020	114·5	68·5	107·1	84·2	95·7	+9·2	38	—	1·8	—	1·64
		Buxar ...	29·437	29·186	29·303	29·539	—·023	109·9	67·8	102·5	83·0	92·8	+4·4	46	—	2·2	—	1·72
		Arrah ...	29·470	29·228	29·349	29·541	—·019	111·4	68·2	102·9	81·7	92·3	+3·9	51	—	1·5	—	0·90
	Gya ...	Gya ...	29·308	29·068	29·170	29·585	—·049	113·6	70·7	100·1	77·3	91·7	+6·5	41	—22	4·9	—1·7	3·06
	Patna ...	Bankipore ...	29·400	29·271	29·371	29·550	—·032	111·6	70·7	102·0	81·3	91·7	+6·0	57	—11	4·2	—2·0	1·87
	South Bhagulpore and Monghyr.	Bhagulpore ...	29·532	29·232	29·393	29·554	—·032	102·4	74·0	94·8	79·8	87·3	+3·5	70	—	1·8	—	2·33
	Sonthal Pergunnahs ...	Naya Doomka ...	29·232	28·948	29·061	—	—·026	110·2	75·3	100·1	80·7	90·4	+4·7	60	—	0·7	—	3·97
CHUTIA NAGPUR.	Hazaribagh ...	Hazaribagh ...	27·734	27·503	27·608	29·545	+·011	108·0	69·2	100·8	79·7	90·3	+11·0	35	—30	3·4	—3·9	1·62
	Lohardugga ... Manbhoom ...	Ranchee ...	27·669	27·387	27·484	29·543	+·044	107·0	68·4	99·3	78·5	88·9	+6·1	47	—	3·0	—	3·45
	Singhbhoom ...	Chyebassa ...	28·911	28·710	28·804	—	—	110·5	71·9	103·8	83·6	93·7	+6·1	44	—	2·7	—	3·64
ASSAM	Assam ...	Sibsagar ...	29·404	29·212	29·316	29·649	—·047	93·6	73·5	88·4	76·7	82·6	—0·7	85	+ 2	8·1	—0·4	13·52
		Dhubri ...	29·605	29·381	29·496	29·613	—·045	91·2	71·3	86·0	74·9	80·5	—0·9	86	0	7·1	+0·1	12·76
		Silchar ...	29·679	29·584	29·550	29·655	—·051	92·5	70·8	88·1	75·1	81·6	—1·2	87	+ 2	9·1	+1·6	28·46

Bengal for the month of June 1888.

DISTRICT OBSERVATIONS. Rainfall. Of month. Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Since 15th May. Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.	Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
2·89	8·52	—5·63	11·5	11·3	4·63	10·24	—5·6	14·0	14·5	Pooree ...	Pooree	ORISSA.
—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
—	—	—	—	—	—	—	—	—	—	False Point ...		
2·73	9·66	—6·93	10·3	12·3	4·98	11·78	—6·80	14·1	16·4	Cuttack ...	Cuttack	
2·34	8·43	—6·09	6·0	12·1	7·54	10·92	—3·38	11·5	16·3	Balasore ...	Balasore	
1·10	9·81	—8·71	4·6	14·1	4·08	12·06	—7·98	11·6	18·2	Saugor Island ...	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
4·70	9·44	—4·74	8·0	12·5	7·44	11·50	—4·06	14·0	16·2	Midnapore ...	Midnapore	
6·47	9·86	—3·39	7·6	15·4	9·84	12·49	—3·65	14·5	20·3	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.	
7·06	8·88	—1·82	9·7	13·5	8·62	11·50	—2·88	15·0	17·8	Burdwan ...	Burdwan	
6·79	9·71	—2·92	9·5	14·2	9·27	11·73	—2·46	14·5	18·2	Bankoora ...	Bankoora	
6·79	10·07	—3·28	9·3	14·3	8·53	11·50	—2·97	14·6	18·7	Ranigunj ...	West Burdwan and Beerbhoom.	
5·49	9·20	—3·71	9·7	13·6	7·57	12·31	—4·74	17·0	18·4	Berhampore ...	Moorshedabad	
4·28	9·72	—5·44	9·6	14·6	6·20	13·22	—7·02	15·0	19·8	Krishnagore ...	Nuddea	
6·63	12·30	—5·67	10·3	16·5	7·76	15·58	—7·82	14·1	22·0	Jessore ...	Jessore and Khoolna ...	
10·99	29·63	—18·64	16·5	21·6	20·46	34·90	—14·44	23·5	27·5	Chittagong ...	Chittagong	EAST BENGAL.
	20·12		15·0	22·2		24·21		23·5	28·6	Demagri ...	Chittagong Hill Tracts	
6·94	19·40	—12·46	8·8	20·5	8·59	23·28	—14·69	13·6	26·7	Barrisal ...	Backergunj	
9·25	27·32	—18·07	15·0	20·0	14·27	32·07	—17·80	23·5	26·4	Noakholly ...	Noakholly	
7·77	12·55	—4·78	8·3	17·5	11·41	16·88	—5·47	14·3	23·3	Furreedpore ...	Furreedpore	
10·31	13·02	—2·71	11·5	18·6	14·13	16·89	—2·76	19·5	24·6	Dacca ...	Dacca	
10·89	16·77	—5·88	12·0	19·2	18·63	21·09	—2·46	20·8	25·6	Commillah ...	Commillah	
12·41	16·97	—4·56	14·0	18·0	26·82	21·51	+5·31	25·6	24·5	Mymensingh ...	Mymensingh	NORTH BENGAL.
5·94	12·76	—6·82	10·5	15·5	15·03	17·20	—2·17	19·5	21·2	Bogra ...	Bogra	
5·94	11·15	—5·21	12·5	16·4	12·42	14·95	—2·53	23·0	22·0	Serajgunj ...	Pubna	
3·85	9·95	—6·10	8·5	13·6	6·71	13·29	—6·58	16·5	18·6	Rampore Beauleah.	Rajshahye	
	11·86		6·0	15·4		14·69		12·5	19·4	Maldah ...	Maldah	
5·16	13·74	—8·58	6·4	14·7	12·77	18·00	—5·23	13·8	19·2	Dinagepore ...	Dinagepore	
17·01	21·30	—4·29	17·8	17·2	26·41	28·70	—2·29	28·8	23·9	Rungpore ...	Rungpore	
30·64	31·06	—0·42	20·8	21·8	37·13	40·17	—3·04	30·8	30·5	Julpigoree ...	Julpigoree and Cooch Behar.	
20·65	28·84	—8·19	22·5	22·7	25·40	35·84	—10·44	34·8	31·7	Darjeeling ...	Darjeeling Hill Tracts...	
5·25	11·50	—6·25	6·4	12·1	10·97	14·55	—3·58	13·2	15·3	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
5·51	7·42	—1·91	6·7	8·9	7·08	8·78	—1·70	9·7	11·0	Mozufferpore ...	Mozufferpore	
5·97	8·03	—2·06	7·7	9·9	8·82	9·40	—0·58	11·4	11·9	Durbhunga ...	Durbhunga	
7·20	8·19	—0·99	9·0	9·5	9·69	9·54	+0·15	14·0	11·8	Motihari ...	Chumparun	
3·17	6·49	—3·32	6·3	8·8	4·09	7·58	—3·49	8·3	10·4	Chupra ...	Sarun	
1·67	4·98	—3·31	4·0	8·5	2·23	5·91	—3·68	5·4	10·1	Dehree ..., Buxar ..., Arrah ...	Shahabad	SOUTH BEHAR.
2·45	5·52	—3·07	4·5	8·3	2·82	6·89	—4·07	6·3	10·2	Gya ...	Gya	
1·50	6·24	—4·74	4·5	9·1	2·65	7·67	—5·03	6·5	11·1	Bankipore ...	Patna	
2·28	6·95	—4·67	5·0	10·6	4·20	8·56	—4·36	8·4	12·8	Bhagulpore ...	South Bhagulpore and Monghyr.	
4·58	8·95	—4·37	7·5	13·2	6·45	11·38	—4·93	12·8	16·5	Naya Doomka...	Sonthal Pergunnahs ...	
1·64	8·39	—6·75	5·6	12·0	2·04	10·07	—8·03	8·0	15·9	Hazaribagh ...	Hazaribagh	CHUTIA NAGPUR.
3·13	7·85	—4·72	7·3	13·2	4·14	9·79	—5·65	10·6	10·6	Ranchee	Lohardugga	
3·21	8·08	—4·87	9·5	14·4	4·38	9·74	—5·36	15·5	18·0		Manbhoom	
3·04	8·30	—5·26	11·0	15·8	5·11	10·87	—5·76	16·0	20·7	Chyebassa ...	Singbhoom	
......	......	......	......	......	......	......	......	......	......	Sibsagar... ...	Assam	ASSAM.
......	......	......	......	......	......	......	......	......	......	Dhubri		
......	......	......	......	......	......	......	......	......	......	Silchar		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Pooree ...	0·10	0·08	...	...	...	...	0·13	...	0·20	0·18	...	0·10	...	...	...	0·30	...	...	0·02	...
		Khurdah ...	0·32	...	...	...	...	0·06	0·20	...	0·63	0·86	...	0·05	...	0·07	0·05	...	...	...	0·18	...
		Banpur ...	0·13	...	...	0·50	...	0·20	1·14	...	0·16	0·50	...	...	...	...	...	0·18	...	...	...	...
		False Point ...		0·14	...	...	...	...	0 20	...	0·18	0·23	...	...	...	...	...	0·00	...	...	...	...
		Gop ...	0·20																			
		Pipli ...																				
	Cuttack ...	Jagatsingpore																				
		Banki ...	0·71	0·05	...	...	0·09	0·05	0·08	0·20	0·31	1·53	0·02	...	...	...	0·40	...	...	0·32	...	...
		Cuttack ...	0·17	...	...	...	0 10	...	...	...	...	0·30	...	...	...	...	0·16	0·16	...	...	...	...
		Kendrapara ...	0·01	0·36	...	...	0·03	0·08	0·05	...	0·04	0·90	...	...	...	0·24	...	...	...	...	0·06	...
		Jajpore ...	...	0·38	...	...	...	...	...	...	0·18	...	...	...	...	...	...	...	...	...	0·44	0·44
		Dharmsalla ...																				
		Salipore ...	1·00	...	...	...	0·10	...	...	...	2·18	...	...	...	...	...	...	...	...	...	0·10	...
	Balasore ...	Chandball ...	0·10	...	...	0·05	...	...	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhuddruck ...	...	0·04	...	...	...	0·14	...	...	0·08	...	...	...	...	...	...	...	...	...	...	...
		Sorah ...	...	...	0·83	0·15	...	...	1·72	...	...	0·38	...	...	...	...	...	...	...	...	...	...
		Balasore ...	0·18	...	0·19	...	0·25	...	0·10	0·09	...	0·30	...	...	...	...	...	...	...	...	...	...
		Jellasore ...	...	...	...	0·20	1·00	...	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...
		Baripodah ...	...	...	0·24	0·69	0·55	...	...	0·03	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	...	...	...	...	0·05	...	...	...	...	...	...	...	...	...	0·18	...	...	...	...	...
		Saugor Island	...	...	0·23	...	0·43	...	...	...	...	0·09	...	...	...	...	...	0·24	...	...	...	...
		Tumlook ...	...	...	1·70	0·70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Midnapore ...	...	...	...	...	0·30	0·85	...	...	...	...	...	...	...	...	0·04	...	...	...	...	...
		Ghatal ...	...	1·15	0·15	0·58	...	0·09	...	0·61	0·03	...	...	...	...	...	...	...	...	...	0·20	...
		Kukrahaty ...	...	...	0·02	0·78	...	0·23	...	...	...	...	...	...	...	...	...	0·14	...	...	...	...
		Heria ..	...	...	...	0·12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhagwanpore	...	...	0·35	...	...	...	...	0·89	...	...	...	...	...	...	...	...	...	...	...	...
		Garbeta ...	...	...	0·18	...	...	0·48	...	2·06	...	...	...	...	...	...	...	...	...	...	...	...
	24-Pergunnahs	Diamond Harbour.	...	...	...	...	0 40	0·25	...	...	...	0·15	...	...	...	...	0·12	...	...	...	...	...
		Canning Town	...	...	0·34	...	...	0·70	...	...	1·50	...	...	...	...	...	0·63	...	...	...	0·02	...
		Alipore Jail ...	...	...	0·54	0·81	...	0·82	0·04	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barrackpore ..	...	0·10	0·24	...	...	2·65	...	...	0·23	...	...	...	...	...	...	...	...	...	1·30	...
		Dum-Dum ...	...	...	0·14	...	...	0 79	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Baraset ...	...	...	0·39	0·22	...	2·28	...	0·80	2·00	...	...	...	...	...	...	...	...	...	1·24	...
		Buseorhat ..	...	0·09	0·45	0·35	...	1·79	...	...	1·80	...	...	...	...	...	...	...	...	...	0·10	...
	Howrah ...	Howrah ...	...	...	1·03	...	...	0·55	...	...	...	...	...	...	...	...	...	...	...	...	0·25	...
		Mohesrekha ... (*Ooloobariah*).	...	...	0·22	0·06	...	0 60	...	...	...	...	...	...	...	...	...	...	...	...	0·81	...
	Hooghly ...	Serampore ...	...	...	0·30	...	...	2 59	...	...	0·35	...	...	...	...	...	...	...	...	...	0·83	...
		Hooghly ...	...	...	1·70	...	1·15	2·80	0·02	3·30	...	...	...	...	...	...	...	...	...	...	0·10	...
		Jehanabad ...	...	1·50	1·05	...	...	0·15	...	...	2·35	...	...	...	...	...	...	...	...	...	...	...
	Burdwan ...	Culna ..	...	0·75	1·10	0·38	...	0·41	0·47	...	0·32	...	...	...	...	...	...	...	...	...	...	...
		Burdwan ...	...	...	0·03	...	...	0 45	0·43	0·91	0 69	...	...	...	...	...	...	...	...	...	...	...
		Cutwa ...	...	...	...	...	...	1·20	0·18	4·05	0·90	...	0·02	...	...	...	...	...	...	...	...	...
		Raneegunge ...	...	0·48	0·11	0·11	...	0·20	0·06	...	2·43	...	...	...	...	...	...	...	...	0·06	...	...
		Mankur ...	...	...	0·10	...	...	0·65	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankoora ...	Bankoora ...	...	1·97	...	...	...	0·05	0·70	...	0·06	...	0·04	...	...	...	...	...	...	...	...	...
		Bishenpore ...	...	...	0·08	...	...	0·18	0·14	0·08	0·09	...	0·30	...	...	...	...	...	...	...	...	...
		Maliara ...	...	0·65	0·09	...	...	0·85	...	0·69	0·15	...	...	...	...	...	...	...	...	...	...	...
		Khatra ...	...	0·54	...	...	...	1·07	...	0 72	0·12	...	...	...	...	...	...	...	...	...	...	...
		Indas ...	...	0·38	...	...	...	0·28	0·25	2·12	0·29	...	...	...	...	...	...	...	...	...	...	...
		Kotalpore ...	...	...	0·13	...	...	0·06	...	1·87	...	...	...	...	...	...	...	...	...	...	...	...
		Anda ...	...	0·04	0·03	...	0·05	0 30	...	...	0·55	...	...	...	...	...	...	...	...	...	...	...
		Gangajalghati	...	...	...	...	...	0·40	...	1·83	0·60	...	...	...	...	...	...	...	...	0·21	...	...
		Raipore ...	...	...	...	...	0·15	0·45	...	0·45	0·25	...	...	...	...	...	...	...	...	...	...	...
		Sonamukhi ...	...	0·15	...	0·07	...	1 55	...	...	0·17	...	...	...	...	...	...	...	...	0·13	...	...
	Beerbhoom ...	Bh. Soory ...	...	...	0·04	0·42	...	0·72	...	0·02	0·77	...	...	...	...	...	...	...	...	0·63	...	...
		Hetampore ...	...	...	...	...	0·54	...	1·51	...	...	...	...	...	...	...	...	...	...	0·41	...	...
		Rampore Haut	...	...	...	0·38	...	1·81	...	0·50	0·08	...	...	...	...	...	...	...	0·08	0·16	...	...
		Bolpur ...	...	...	0 75	...	...	1·76	...	...	0·35	...	...	...	...	...	...	...	...	0·16	...	...
	Nuddea ...	Ranaghat ...	0·26	0·65	0·60	00·9	...	1·22	0·26	0·11	0·17	...	...	...	...	...	...	...	...	0·61	...	...
		Kishnaghur ...	...	1·94	...	0·23	...	0·77	0·19	...	0·42	...	...	...	...	...	...	...	...	...	0·07	...
		Chooadanga ..	...	...	0·15	...	...	...	0·50	0·10	...	...	...	...	...	...	...	...	...	...	...	...
		Meherpore ...	...	0·48	...	0·13	...	1·90	0·11	0·10	0·14	...	...	...	...	...	...	...	...	...	...	...
		Kooshtea ...	...	...	...	0·11	...	...	0·21	0·10	...	...	...	...	...	...	...	...	...	...	...	...
	Khoolna ...	Satkhira ...	0·02	0·40	0·02	0·50	0·16	1·10	0·09	0·03	0·40	0·09	...	...	...	...	0·80	...	...	...	0·30	...
		Bagirhat ...	0·79	...	0·08	...	0·20	2·10	...	...	...	...	...	...	...	...	0·52	...	...	...	...	...
		Khoolna ...	0·29	0·89	0·10	0·21		1·26	...	...	...	...	...	...	...	...	0·03	...	...	...	...	...
	Jessore ...	Narail ...	0·33	0·04	...	0 32	...	0·38	...	...	0·04	...	...	...	...	...	...	...	...	...	...	...
		Jessore ...	0·04	1·25	0·80	...	...	1·17	...	0·11	0·34	0·10	...	...	...	...	0·51	...	...	...	...	...
		Jhenidah ...	...	0·14	...	...	...	1·81	0·09	2·12	...	...	...	...	...	...	...	...	...	...	...	...
		Magoorah ...	0·94	0·55	...	...	...	0·13	...	4·17	0·05	...	...	...	...	...	...	...	...	...	0·32	...
		Bongong ...	...	0·40	...	0·10	...	0·95	...	1·60	...	0·15	...	...	...	...	...	...	...	...	0·47	...
	Moorshedabad	Kandi ...	0 90	0·61	0·05	0·41	1·01	1·19	...	...	0·53	...	0·14	...	...	...	...	...	...	...	...	...
		Berhampore ...	0·09	...	...	0·59	...	0·60	0 28	0·07	0·11	...	...	...	...	...	0·17	...	0 57	...	...	...
		Lalbagh ...	0 57	...	...	0·48	...	0·51	0·41	0·32	0·05	...	...	...	...	...	...	...	...	...	...	...
		Azimgunge ...	...	0·18	...	0·80		1·05	...	1·50	0·01	...	...	...	...	...	...	...	...	...	...	...
		Jungipore ...	...	0·09	...	0·30	...	1·18	...	0·73	0 03	...	...	...	...	...	0·01	...	...	0·01	...	...
		Lalgola .	0·85	...	...	0·40	...	0·81	...	1·40	...	...	...	...	...	...	0·20	...	...	...	...	...
		Akhriganj ...	1·40	...	...	0·62		1·73	...	0·97	0·92	...	...	...	...	...	...	...	...	...	...	...
		Patkabari ...	0·25	1·12	...	...	0·60	0·15	...	1·00	0·17	...	...	...	...	...	...	...	...	...	...	...
EAST BENGAL	Chittagong ...	Cox's Bazar ...	0·10	0·02	...	...	...	0·65	...	...	...	...	2·31	0·36	0·15	...	1·00	...	0·11	0·65	...	...
		Chittagong ...	0·21	...	0·22	0·35	0·28	0·53	...	...	...	0·21	1·03	0·01	0·73	...	0·40	...	...	...	...	...
		Kutubdia ...	...	0·31	...	...	...	...	...	...	...	1·13	0·80	0 08	0·37	...	...	...	...	...	...	...
		Satkanya ...	0·30	...	...	0·84	...	...	...	...	0·09	0·15	0·09	0·05	0·10	...	...	...	0·20	...	0·46	...
	Chittagong Hill Tracts.	Rangamati ...	...	0·10	...	0·11	0·52	0·05	0·50	0·31	...	1·02	0·55	0·04	0·90	0·02	...	0·22	...	...	0·78	0·06
		Ruma ...	0·73	...	...	...	...	...	...	...	...	...	1·50	0·93	...	...	...	...	...	...	...	0·80
	Backergunge...	Patuakhally ...	0·47	0·42	...	...	0·25	2·13	...	0·20	...	0·05	...	...	...	...	...	...	...	...	...	...
		Perozepore ...	0·27	0·15	...	...	0·71	2·85	...	...	0·90	...	...	...	...	...	0·02	...	...	...	...	...
		Burrisal ...	0·05	0·08	...	...	0·21	0 59	0·01	0·10	2·10	...	...	...	...	...	...	...	...	...	...	...
		Bhola ...	0 22	...	...	...	0·36	0·80	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gournaddi ...	1·50		...	...	0·30	0·29	...	...	2·07	...	...	...	...	...	...	...	...	...	...	...
		Bauphal ...	0·03		...	...	0·20	1·30	0·45	0·34	0·05	...	...	...	...	...	...	...	...	...	...	...
	Noakholly ...	Noakholly ...	0·85	...	...	...	0·20	0·60	1·32	...	...	...	0·32	...	0·05	...	0·04	...	...	...	...	...
		Fenny ...	1·17	0·17	...	...	1·93	0·20	0·35	...	...	...	0·10	1·12	0·45	...	...	0·05	0·10	...	0·10	...

in Bengal in June 1888.

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 30th June 1888.	Average rainfall from 1st January up to 30th June 1888.	Station.	District.	Meteorological division.
...	...	...	0·15	0·60	...	...	0·26		0·01	12	11·5	2·13	7·56	0·60	9·33	13·01	Pooree ...	Pooree ...	ORISSA.
...	0·10	...	0·01	0·01	...	0·10	0·85	0·04	0·12	16	13·8	3·65	9·10	0·86	5·89	14·91	Khurdah.		
...	...	...	...	0·14	...	...	...	0·20	...	9	8·7	3·15	7·12	1·14	5·45	11·93	Banpur.		
...	...	...	0·41	0·41	...	...	0·64	0·31	...	9	11·3	2·61	8·92	0·66	9·25	17·36	False Point.		
											?		?			?	*Gop.*		
											?		?			?	*Pipli.*		
											8·6						Jagatsingpore.	Cuttack.	
...	...	...	...	0·05	...	...	0·55	0·47	0·07	15	16·8	4·90	9·82	1·53	7·62	14·83	Banki.		
...	...	...	...	0·12	...	...	...	...	0·02	7	15·6	1·03	10·50	0·30	7·72	17·34	Cuttack.		
...	...	...	0·09	0·07	...	...	0·45	0·13		13	9·6	2·57	8·52	0·96	10·51	15·56	Kendrapara.		
...	...	...	...	...	...	...	0·33	...	0·65	6	10·8	2·42	9·52	0·65	8·61	18·55	Jajpore.		
											?		?			?	*Dharmsalla.*		
...	1·00	...	...	...	...	...	...	...	0·12	6	?	4·50	?	2·18	8·10	?	*Salipore.*		
...	...	...	0·20	0·21	...	...	...	...			10·5						Chandbali ...	Balasore.	
...	...	...	...	0·51	...	...	...	0·11	1·69	5	11·3	2·57	8·68	0·51	14·49	18·93	Bhuddruck.		
...	...	...	...	...	...	..	...	...	0·32	4	11·2	3·72	6·59	1·72	16·15	16·13	Sorah.		
...	...	...	...	...	...	...	...	...	0·24	6	13·2	1·35	9·87	0·30	15·62	21·54	Balasore.		
...	...	...	...	...	...	0·46	0·13	0·30		6	10·4			1·00			Jellasore.		
...	...	0·20	...	...	...	0·18	0·69	1·05		8	15·7			1·05			Baripodah.		
...	...	...	...	...	...	0·70	...	...	...	3	12·0	0·93	10·32	0·70	10·44	19·11	Contai ...	Midnapore ...	
...	...	...	...	0·10	...	..	...	...	...	5	14·3	1·09	10·86	0·43	9·09	19·60	Sangor Island.		
...	...	...	...	...	...	1·70	0·10			4	10·6	4·20	8·92	1·70	12·53	18·67	Tumlook.		
...	...	...	0·50	0·78	...	..	0·41	0·48	0·26	8	13·2	3·62	9·52	0·85	14·70	19·15	Midnapore.		
...	...	...	...	0·02	...	0·18	2·39	0·11	0·77	12	13·3	6·28	9·79	2·39	14·54	19·70	Ghatal.		
...	...	...	...	...	...	0·42	...	0·10	...	6	?	2·59	?	0·92	15·85	?	Kukrahaty.		
...	...	...	...	...	...	...	0·18	0·61	...	3	?	0·91	?	0·61	12·99	?	*Heria.*		
...	...	...	...	0·15	...	...	..	0·85	0·18	4	?	2·42	?	0·89	13·70	?	*Bhagwanpore.*		
...	...	...	...	...	...	0·20	0·47	1·85	0·42	7	?	5·66	6·70	2·06	13·63	16·43	*Garbeta.*		
...	...	...	...	...	...	...	0·06	0·30	...	6	15·9	1·28	9·35	0·40	12·40	20·42	Diamond Harbour.	24-Pergunnahs	SOUTH-WEST BENGAL.
...	...	0·17	...	...	...	0·25	0·14	0·04	...	9	?	3·79	?	1·50	15·19	?	*Canning Town.*		
...	...	0·72	...	...	...	0·31	0·02	0·04	...	8	16·5	3·30	9·79	0·82	16·77	20·76	Alipore Jail.		
...	...	0·15	...	...	...	1·35	0·15	...	...	8	13·7	6·17	8·59	2·65	17·18	19·31	Barrackpore.		
...	...	1·56	...	...	...	0·76	..	0·04	...	5	16·0	3·29	9·60	1·58	17·60	20·75	Dum-Dum.		
...	...	1·30	...	...	...	1·45	0·01	0·02	...	10	15·0	9·71	9·69	2·28	24·52	21·02	Baraset.		
...	...	0·07	...	...	...	0·63	...	...	0·10	9	15·1	8·38	10·09	4·79	18·31	22·85	Buseerhat.		
...	...	1·32	...	...	...	1·43	...	0·04	...	6	17·4	4·62	10·67	1·43	16·89	21·51	Howrah ...	Howrah.	
...	...	0·05	...	...	...	1·49	0·17	0·09	...	8	14·8	3·58	8·64	1·49	13·97	19·27	Mohesreka (*Ooloobariah*).		
...	...	0·23	...	...	...	1·41	0·09	...	...	7	16·3	5·80	9·52	2·59	15·79	19·53	Serampore ...	Hooghly.	
...	...	0·72	...	...	...	2·30	...	...	...	8	14·6	12·09	10·39	3·30	20·40	22·34	Hooghly.		
...	...	1·54	...	...	...	0·72	0·49	...	...	7	14·2	7·80	9·29	2·35	16·54	19·08	Jehanabad.		
...	...	1·70	..	...	...	1·32	0·05	0·60	0·07	11	11·4	7·17	8·36	1·70	15·98	18·46	Culna ...	Burdwan.	
...	...	0·30	...	...	...	0·38	0·55	0·47	0·45	10	15·7	4·75	9·37	0·91	16·73	19·00	Burdwan.		
...	...	1·39	...	...	...	...	1·29	0·33	..	8	13·4	9·26	9·90	4·05	19·64	19·67	Cutwa.		
...	...	0·84	...	...	...	...	0·81	0·03	4·19	11	14·1	9·32	8·43	4·19	14·36	11·95	Raneegunge.		
...	...	0·15	0·41	...	...	...	0·96	...	...	5	?	2·27	?	0·96	9·50	?	*Mankur.*		
...	...	0·55	...	...	...	0·20	2·60	0·17	2·15	10	13·3	8·40	9·08	2·60	15·27	17·57	Bankoora ..	Bankoora.	
...	...	0·12	...	...	...	0·27	0·58	2·71	...	10	13·6	4·50	9·45	2·71	13·71	18·47	Bishenpore.		
...	...	0·71	...	...	0·12	.	0·46	1·30	2·32	10	12·6	7·34	8·58	2·32	12·66	14·44	Malhara.		
...	...	...	...	...	...	0·20	2·58	0·06	1·75	8	15·1	6·84	10·26	2·58	13·73	16·80	Khatra.		
...	...	0·60	...	...	...	0·21	0·07	0·49	0·39	10	?	5·06	?	2·12	13·08	?	Indas.		
...	...	0·06	...	...	...	0·81	0·11	0·55	...	7	?	5·39	?	1.87	14·87	?	Kotalpore.		
...	...	...	...	...	...	0·60	1·30	...	...	7	?	2·87	?	1·30	5·17	?	Anda.		
...	...	1·00	...	...	...	0·40	1·02	...	2·06	8	?	7·91	?	2·06	12·71	?	Gangajalghati.		
...	...	...	0·25	...	...	0·40	1·00	...	2·59	8	?	5·54	7·77	2·59	11·83	15·36	*Raipore.*		
...	...	0·50	...	...	...	...	0·04	0·77	0·83	9	?	4·81	?	1·55	15·15	?	*Sonamukhi.*		
...	0·21	0·40	...	...	...	...	2·79	...	...	9	15·7	6·00	10·10	2·79	12·97	16·30	Bh. Soory ...	Beerbhoom.	
...	0·05	..	...	...	...	1·29	0·25	...	0·28	7	13·4	4·93	10·92	1·51	10·05	17·26	Hetampore.		
...	...	1·98	...	...	...	...	1·40	0·25	0·28	10	14·1	6·92	9·35	1·98	12·46	16·42	Rampore Haut		
...	...	...	...	...	...	...	0·73	0·74	1·75	7	?	6·24	?	1·76	12·93	?	*Bolpur.*		
...	...	0·63	...	...	...	0·42	0·13	0·04	0·05	14	12·7	5·24	9·40	1·22	13·11	20·18	Ranaghat ...	Nuddea.	
...	...	0·31	...	...	...	1·42	0·04	2·02	0·01	11	15·1	7·42	9·52	2·02	13·81	21·12	Kishnaghur.		
...	...	0·03	...	...	...	0·22	0·08	0·85	0·98	8	14·0	3·91	8·96	1·50	15·73	22·94	Choosdanga.		
...	...	0·31	...	...	...	...	...	0·32	0·41	9	14·4	3·90	9·36	1·90	19·93	21·76	Meherpore.		
...	...	...	...	...	...	0·06	0·38	0·06	...	6	16·9	0·92	10·56	0·38	16·63	23·99	Kooshtea.		
...	...	0·12	...	...	...	0·60	0·03	...	0·30	16	16·4	4·96	12·05	1·10	......	24·80	Satkhira ...	Khoolna.	
...	...	...	...	...	...	..	2·00	...	1·20	7	16·2	6·89	12·73	2·10	16·12	26·51	Bagirhat.		
...	...	0·58	...	...	...	0·78	0·29	0·02	0·51	11	17·6	4·96	12·54	1·26	15·80	26·11	Khoolna.		
...	...	...	...	...	...	0·94	0·81	0·84	0·52	9	16·9	4·22	10·82	0·94	14·01	24·38	Narail ...	Jessore.	
...	...	0·10	...	...	...	4·35	...	0·42	1·51	12	18·3	10·70	13·18	4·35	23·71	28·47	Jessore.		
...	...	...	...	...	...	0·40	0·63	1·71	0·39	8	16·4	7·29	12·45	3·12	21·45	25·91	Jhenidah.		
...	...	...	...	...	...	0·55	0·28	1·04	0·99	10	17·9	9·62	11·65	4·17	23·74	27·28	Magoorah.		
...	...	0·55	...	...	...	0·20	...	...			12·6						Bongong.		
...	0·93	...	...	...	...	...	0·86	...	0·50	11	14·7	7·12	9·36	1·19	14·62	17·66	Kandi ...	Moorshedabad	
...	...	0·76	...	...	...	...	0·94	0·04	...	11	13·3	4·22	9·48	0·94	12·74	18·81	Berhampore.		
...	...	0·59	...	...	...	...	1·59	0·09	...	9	13·4	4·01	8·80	1·50	13·89	17·01	Lalbagh.		
...	...	0·85	...	...	...	0·75	1·10	0·01	...	9	15·6	6·23	8·90	1·50	14·34	17·13	Azimgunge.		
...	...	...	...	...	...	...	1·08	0·12	0·62	10	13·6	4·37	8·53	1·18	9·86	16·85	Jungipore.		
...	...	...	...	...	...	0·80	1·85	0·05	...	8	13·7	6·36	9·04	1·85	12·44	17·93	Lalgola.		
...	...	...	...	...	...	0·40	0·35	0·15	...	8	?	6·54	?	1·73	16·90	?	*Akhrigunj.*		
...	0·20	...	...	...	...	...	0·75	0·95	2·70	10	?	7·80	?	2·70	18·71	?	Patkabari.		
...	...	2·71	0·15	0·32	0·68	0·08	0·25	1·73	1·08	17	23·4	12·30	33·09	2·71	35·23	49·08	Cox's Bazar ...	Chittagong ...	EAST BENGAL.
...	...	0·09	..	0·07	...	0·28	0·36	3·76	1·14	16	20·8	9·67	22·93	3·76	34·32	40·38	Chittagong.		
...	...	0·70	...	1·81	...	0·46	0·25	3·57	3·77	11	?	12·95	?	3·77	33·72	?	*Kutubdia.*		
...	...	...	...	1·03	...	0·58	0·16	2·96	1·35	14	?	8·30	?	2·96	32·02	?	*Satkanya.*		
...	...	0·27	0·05	1·40	0·04	...	0·17	0·45	0·42	21	22·5	7·98	18·02	1·40	27·69	36·56	Rangamati ...	Chittagong Hill Tracts.	
...	...	...	...	0·30	...	0·51	0·08	0·51			21·8						Kuma.		
...	...	...	...	...	...	0·05	2·00	0·15	1·25	10	20·3	6·97	21·44	2·13	22·68	36·16	Patuakhally ...	Backergunge.	
...	...	0·01	...	...	..	1·51	1·36	...	0·62	10	18·8	8·40	15·98	2·85	21·05	29·01	Ferozepore.		
...	...	...	...	...	...	...	1·80	0·02	1·51	10	21·3	6·45	16·51	2·10	18·38	31·75	Burrisal.		
...	...	...	...	...	...	...	2·46	...	2·02	5	21·5	5·92	20·19	2·46	20·72	34·52	Bhola.		
...	...	...	...	...	...	0·73	1·25	0·16	0·21	9	?	7·02	?	2·07	22·97	?	*Gournaddi.*		
...	...	...	...	...	...	...	2·00	0·09	1·63	10	?	6·81	?	2·00	20·93	?	*Bauphal.*		
...	...	...	...	0·03	0·03	0·85	0·44	2·24	1·02	13	20·7	8·89	23·67	2·24	29·81	41·68	Noakholly ...	Noakholly.	
...	0·15	0·50	...	...	...	0·17	1·28	0·17	1·64	17	19·2	9·00	26·23	1·93	31·82	47·47	Feuny.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL—concld.	Noakholly—concld.	*Harishpore*	0·50	...	...		1·20	0·95	...	...	...	0·35	0·12	...	0·14	...	...	...	...	...	...	...
		Ramganj ...	0·22	0·35	...	...	0·33	0·61	0·17	0·15	0·33	...	...	0·48	1·11	...	...	...	0·23	...	...	...
	Furreedpore...	Madaripore ...	0·18	...	...	...	...	2·20	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...
		Furreedpore...	...	0·07	...	...	0·20	0·31	0·75	...	0·45	...	...	...	0·70	...	...	...	...	...	0·15	...
		Goalundo ...	...	0·25	...	...	...	...	1·00	0·56	...	...	...	...	0·25	...	...	...	...	...	...	...
	Dacca ...	Munshigunge	0·29	0·50	...	...	...	0·40	1·25	...	1·31	...	...	...	0·98	...	...	...	...	0·50	...	...
		Dacca ...	0·14	...	...	0·60	1·06	0·33	...	...	0·26	...	...	...	1·96	...	...	...	...	0·56	...	...
		Naraingunge	0·21	1·52	0·03	...	...	0·45	0·06	...	2·14	...	...	...	1·78	...	...	...	...	0·14	...	...
		Manickgunge	0·06	0·19	...	...	0·29	0·01	...	0·02	1·49	...	...	...	0·67	...	...	...	...	...	...	...
		Joydebpore ...	1·13	0·90	0·01	...	...	0·06	0·00	...	0·37	...	1·02	0·01	0·80	1·00	...	...	...	0·06	...	...
	Hill Tipperah	Agartola ...	1·90	0·80	...	...	...	...	1·26	...	0·65	...	...	...	...	...	1·62	...	...	...	...	...
	Tipperah ...	Comilla ...	0·86	...	...	...	...	0·25	...	0·44	0·34	...	...	...	0·12	0·55	...	...	...	0·05	...	...
		Chandpore ...	1·80	1·30	0·10	...	...	1·00	...	...	0·10	...	1·00	...	...	...	0·70	...	...	...	...	...
		Brahmunberia	2·56	...	0·12	...	...	0·23	1·18	...	0·15	...	...	...	2·00	0·20	...	...	...	0·39	...	...
		Ramchandrapore.	0·95	...	0·05	0·20	...	0·28	0·35	0·45	0·73	...	...	...	1·75	0·46	...	...	...	0·09	...	...
		Nasirnagar ..	0·55	0·04	0·50	...	...	0·30	1·32	0·40	0·24	...	...	...	0·42	0·18	...	...	0·70	...	...	...
		Daudkandi ...	0·85	0·09	0·50	...	...	0·13	0·42	...	2·12	...	0·03	...	0·70	0·12	...	...	...	...	...	...
		Kasba ...	2·32	...	...	...	...	0·58	0·31	...	1·40	...	...	...	1·35	0·75	...	...	...	0·32	...	...
		Laksham ...	0·12	0·30	...	...	...	0·23	...	0·05	...	...	...	...	1·07	0·40	...	...	...	...	...	...
	Mymensingh..	Kishoregunge	3·62	0·08	...	...	...	...	1·10	0·15	1·27	...	...	...	2·11	1·30	...	...	...	...	...	...
		Atia (*Tangail*)	0·53	...	...	...	...	...	...	...	1·48	...	...	...	1·07	0·14	...	...	...	1·25	...	...
		Mymensingh	1·32	...	...	...	...	...	0·05	1·22	0·72	...	...	...	0·05	0·80	0·06	0·03	0·56	0·26	...	...
		Jamalpore ...	0·44	0·13	...	...	...	...	...	0·98	0·52	...	...	...	1·08	2·74	...	...	...	0·71	...	...
		Netrokona ...	0·12	...	...	...	...	...	0·34	0·70	0·06	...	...	a.	0·82	0·07	..	0·25	4·20	...	0·81	...
		Subornakhally	4·82	...	...	0·27	...	...	...	0·45	0·10	...	...	...	...	0·82	...	...	0·40	0·93	...	...
		Durgapore ...	...	...	...	0·07	1·00	...	...	1·30	...	...	...	...	...	...	...	1·70	...	...	0·70	...
		Dewanganj ...	...	0·49	...	...	...	0·30	...	1·10	...	...	...	...	0·08	1·90	...	...	0·25	0·44	...	...
NORTH BENGAL	Pubna ...	Pubna ...	0·29	...	0· 4	...	...	0·12	...	1·87	0·17	...	...	...	0·20	...	...	...	...	...	0·16	...
		Serajgunge ...	0·40	...	...	1·94	0·03	...	...	0·42	0·56	...	...	...	0·35	0·40	...	...	...	0·06	...	...
	Bogra ...	Sherpore ...	0·31	0·17	...	...	...	...	...	0·81	0·09	...	...	0·36	...	0·05	...	...	...	...	...	...
		Nowkhilla ...	2·52	...	...	0·05	...	...	...	0·77	2·70	...	...	...	...	0·48	...	...	...	0·99	...	...
		Bogra ...	0·45	0·95	...	0·30	...	...	...	0·78	0·27	...	...	...	0·42	0·36	...	...	...	0·35	...	...
		Panchbibi ..	0·19	0·50	...	0·08	...	...	...	...	...	...	...	...	...	0·84	...	...	...	0·86	...	...
	Rajshahye ...	Beauleah ...	0·48	...	0·05	0·37	...	...	0·90	0·23	0·09	...	...	...	0·32	...	...	...	...	...	...	...
		Nattore ...	0·46	...	...	...	...	...	...	0·25	...	0·40	...	...	0·80	...	...	...	...	...	...	...
		Naogaon ...	0·11	...	...	...	...	...	...	0·53	..	...	...	0·35	...	...	...	...	...	...	...	...
		Lalpore ...	0·94	...	...	0·66	0·36	0·39	0·07	...	...	...	...	0·02	...	...	...	...	...	...	...	...
		Manda ...	...	...	...	0·15	..	...	...	0·70	...	...	...	0·31	...	...	...	...	...	...	...	...
	Maldah ...	Maldah ...	...	...	...	...	...	0·12	...	0·38	...	0·04	...	...	...	...	...	...	...	...	...	...
		Chanchal ..	0·30	0·64	...	...	...	...	...	0·04	...	...	...	...	...	...	...	...	...	...	...	...
		Gajol ...	...	...	...	...	...	0·50	...	0·70	...	...	...	...	...	..	...	...	...	...	...	...
		Sibganj ...	..	0·19	...	0·03	...	0·06	...	0·86	...	...	...	...	...	...	...	...	...	...	...	...
	Dinagepore ...	Mohadebpore	...	...	...	...	...	...	...	0·07	0·49	...	...	...	...	...	...	...	...	...	...	...
		Churamon ...	...	1·88	...	...	...	...	...	0·17	...	...	...	...	...	...	...	...	...	...	...	...
		Raigunge ..	.	0·82	...	...	...	...	...	4·12	...	...	...	...	...	0·34	...	...	...	0·20	...	...
		Dinagepore ...	...	0·44	0·05	1· 8	...	...	...	0·18	...	...	...	...	...	...	...	...	...	...	...	...
		Baloorghat	0·27	1·05	...	...	...	0·08	...	0·23	...	...	...	...	...	...	...	...	...	...	...	...
		Thakurgaon ...	...	0·44	0·24	0·78	...	...	1·15	0·18	0·04	...	0·31	...	0·11	0·28	...	0·34	...	0·38	...	...
	Rungpore ...	Bhawanigunge (*Gyabanda*).	...	1·36	...	...	...	0·10	...	...	...	...	...	0·18	...	1·73	...	0·10	...	0·74	...	...
		Rungpore ...	0·02	0·24	0·02	0·01	...	1·75	...	1·11	0·04	...	0·06	...	...	0·47	..	0·45	...	0·51	...	0·78
		Kurigram	...	...	0·58	...	...	·49	0·46	0·74	...	...	..	...	...	0·12	...	2·54	0·37	0·17	1·04	1·77
		Bagdogra (*Nilphamari*).	...	0·15	...	0·20	...	1·25	0·52	0·85	...	...	...	...		2·01	...	0·08	...	0·19	4.	0·20
		Ulipore ...	...	...	...	...	...	...	...	0·30	...	...	...	...	...	0·95	...	1·80	...	...	0·60	1·92
	Julpigoree ...	Julpigoree	...		...	...	1·25	1·76	3·49	1·76	1·64	...	...	...	...	2·76	...	1·97	0·16	...	...	0·34
		Alipore Duar	...	0·27	...	1·25	...	0·20	1·55	0·41	0·87	0·12	...	...	...	0·21	1·60	0·55	1·04	...	...	0·75
		Falacotta ...	...	...	...	0·17	...	0·44	3·50	1·94	1·04	...	...	...	...	0·13	4·37	...	0·06	...	...	0·82
		Debiganj ...	..	0·09	3·90	0·19	...	1·61	0·10	1·02	...	0·11	...	0·42	...	0·52	..	1·25	..	0·21	...	0·79
	Cooch Behar..	Dinhatta ..	..	.	0·91	...	...	2·41	0·95	0·67	3·68	0·05	...	...	...	0·15	...	0·28	...	0·05	1·18	1·52
		Cooch Behar .	...	...	...	...	0·73	1·21	2·90	0·50	0·25	0·20	...	...	...	0·71	0·06	1·70	2·34	...	0·60	2·05
		Mekligunge	..	...	0·2·	..	·46	1·72	4·75	2·32	1·32	...	...	...	...	2·7	...	0·05	0·22	...	...	1·23
		Mathabhanga..	.	0·06	0·78	...	0·05	1·09	0·54	0·29	0·95	1·25	...	...	0·05	2·38	0·01	0·07	1·61	...	0·43	1·73
	Darjeeling Hill	Buxa ..	0·63	0·60	...	2·06	1·70	1·00	1·19	1·50	0·16	1·15	0·10	...	1·16	8·06	0·22	1·05	0·45	2·60	2·88	0·57
		Siliguri ..	...	4·73	...	0·10	0·8	0·33	0·82	...	...	...	...	0·06	0·06	3·2	0·27	0·31	0·83	0·02	0·18	0·17
		Darjeeling .	0·81	0·17	0·20	0·58	0·09	0·09	0·12	0·08	0·03	0·02	...	...	.	0·76	0·57	0·67	.	0·07	...	...
		Kalimpong	..	...	0·10	0·03	0·06	0·26	0·13	0·15	0·32	...	...	...	...	0·03	0·08	3·48	...	...	0·51	...
NORTH BEHAR	Purneah ..	Kissengunge	...	·8·	...	...	...	...	0·32	[illegible]	...	0·05	...	...	...	...	...	0·30	...	...	...	...
		Arrareah ..	..	3·07	...	2·78	...	...	0·28	0·48	...	...	...	...	...	...	...	...	...	...	...	...
		Purneah ..	.		...	0·48	...	...	0·25	1·93	...	...	...	...	...	...	...	...	...	...	...	...
		Gondwara ..	...		...	..	...	...	...	0·6·	.	...	...	...	...	...	..	..	...	...	...	...
		Balarampore	...	0·9·	...	...	...	0·30	0·61	...	0·12	..	...	.	...	...	..	.	...	0·30	...	...
		Matiari ...	...	0·90	...	...	...	1·15	0·30	0·93	0·91	...	...	0·21	...	0·31	...	...	...	...	...	...
		Kaliaganj ..	...	2·2·	...	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	North Bhagulpore.	Maddepore ...	0·42	...	..	0·35	...	...	...	...	2·22	...	...	...	...	.	...	...	...	...	...	...
		Soopool ...	0·24	...	...	0·48	...	...	...	0·10	0·15	...	...	...	...	..	...	...	...	...	...	...
		Protabganj ...	...	...	...	...	...	0·85	...	...	...	0·30	...	...	...	...	...	..	...	...	...	...
	Durbhunga ...	Tajpore ...	2·55	...	...	0·60	..	...	...	0·52	0·26	...	...	...	...	...	...	...	...	...	...	...
		Durbhunga ..	1·77	...		0·28	...	...	...	0·12	3·20	...	...	...	...	...	...	...	...	...	...	...
		Madhubani ..	0·95		.	0·8·	..	0·09	0·08	0·08	...	...	...	...	...	...	...	...	...	...	...	...
		Bahera ...	0·50	...		0·50	...	...	...	0·10	1·55	...	...	...	...	...	...	...	...	...	...	...
		Roshera ...	...	...	...	1·90	...	...	0·64	...	...	...	...	...	...	...	..	...	...	...	...	...
	Mosufferpore	Sitamarhi ...	0·35	...	...	1·91	...	0·30	0·50	0·12	0·40	...	...	...	...	...	...	...	...	...	...	...
		Mosufferpore	1·10	...	...	0·61	...	...	1·14	...	1·12	...	...	...	...		...	...	...	...	...	...
		Hajipore ...	0·41	...	...	0·40	...	...	0·20	...	...	...	..	...	...	...	...	...	...	...	...	...
		Paru ...	...	...	...		...	...	0·40	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mahua ..	...	...	...	...	...	...	...	...	0·90	...	...	...	...	...	...	...	...	...	...	...
		Sinhar ...	.	...	...	0·52	...	...	...	...	0·30	...	...	...	...	...	...	...	...	...	...	...
		Pupri ...	0·55	...	...	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chumparun ...	Motihari ...	...	0·3·	..	0·20	...	...	...	...	1·16	...	...	...	...	...	...	...	...	...	...	...
		Bettiah ...	0·14	...	0·40	0·62	...	...	...	...	0·76	...	...	...	...	...	...	...	...	...	...	...
		Bagaha ...	0·50	...	0·80	0·80	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...
		Burhurwa ...	...	...	...	1·40	...	...	0·35	...	1·01	...	...	...	...	...	...	...	...	...	...	...
	Sarun ...	Gopalgunge ..	...	...	...	0·78	...	...	0·65	...	0·05	...	...	...	...	...	...	...	...	...	...	...
		Sewan ...	0·20	...	...	0·61	...	...	...	...	0·19	...	...	...	...	...	...	...	...	...	...	...
		Chupra ...	0·59	...	...	0·34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

in Bengal in June 1888—*continued.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 30th June 1888.	Average rainfall from 1st January up to 30th June 1888.	Station.	District.	Meteorological division.
...	...	0·40	...	...	0·20	1·75	1·20	1·50	1·63	13	?	9·94	?	1·75	29·96	?	*Harishpore* ...	Noakholly—*concld.*	EAST BENGAL—concld.
...	...	...	...	...	0·22	0·47	2·25	0·14	3·23	14	?	10·05	?	3·21	30·10	?	*Bamganj.*		
...	...	...	...	...	......	...	3·15	1·00	0·75	7	18·1	7·67	13·09	3·15	20·55	29·94	Madaripore ..	Furreedpore.	
...	...	...	...	...	......	1·00	3·75	0·33	...	10	17·5	7·71	12·35	3·75	27·01	29·76	Furreedpore.		
...	...	...	...	...	......	1·10	3·76	0·41	0·29	8	17·0	7·92	11·07	3·76	27·76	26·38	Goalundo.		
...	...	...	...	...	......	2·44	2·53	0·70	2·16	12	18·9	13·60	16·29	2·53	33·11	36·00	Munshigunge.	Dacca.	
...	...	...	...	...	......	0·78	2·18	0·56	0·06	10	17·9	7·83	13·00	2·18	30·67	31·78	Dacca.		
...	...	...	...	...	......	2·14	3·04	0·50	0·86	12	20·4	13·47	13·10	3·04	38·02	31·05	Naraingunge.		
0·04	...	...	...	...	......	0·51	2·78	0·18	0·05	12	17·0	6·29	9·62	2·78	23·53	25·83	Manickgunge		
...	...	...	...	...	0·03	1·01	1·09	1·24	0·77	16	?	10·45	?	1·24	32·92	?	*Joydebpore.*		
...	...	...	0·86	0·25	0·10	2·44	...	0·45	0·47	11	17·0	10·80	14·21	2·44	51·74	37·30	Agartola ...	Hill Tipperah.	
...	...	...	0·20	...	0·02	1·60	0·20	...	1·70	12	21·2	6·33	18·34	1·70	33·39	39·80	Comilla ...	Tipperah.	
0·10	...	...	...	...	...	2·90	0·70	...	...	10	20·4	9·70	17·21	2·90	29·24	35·91	Chandpore.		
...	...	...	...	1·49	0·07	5·04	2·10	0·20	0·67	15	18·8	16·71	15·53	5·04	50·00	33·36	Brahmunberia.		
...	...	...	...	...	......	1·09	1·63	0·07			?		?			?	*Ramchandrapore.*		
...	...	...	...	1·00	......	2·24	0·50	0·10	...	14	?	8·49	?	2·24	45·80	?	*Nasirnagar.*		
...	...	...	...	...	......	1·07	2·04	0·21	1·54	13	?	10·78	?	2·94	25·79	?	*Daudkandi.*		
...	...	...	2·25	...	......	3·00	0·46	0·50	2·20	12	?	15·44	?	3·00	50·60	?	*Kasba.*		
...	...	...	...	...	1·74	0·22	0·53	0·20	2·05	11	?	6·91	?	2·05	33·07	?	*Laksham.*		
...	0·05	...	...	0·56	2·09	3·02	1·54	1·34	0·85	14	18·2	19·08	18·86	3·02	56·29	39·15	Kishoregunge.	Mymensingh.	
...	...	...	...	...	......	. .	0·62	1·07	0·13	8	13·8	6·29	12·77	1·48	18·76	26·19	Atia (*Tangail*).		
0·08	...	0·30	0·08	0·09	......	0·96	1·12	1·35	0·65	18	22·1	9·69	20·59	1·35	40·36	41·82	Mymensingh.		
...	...	...	0·59	0·07	......	0·96	2·46	0·38	...	13	15·9	11·05	15·24	2·74	31·25	30·58	Jamalpore.		
...	0·20	...	0·63	0·83	0·14	4·41	0·20	1·10	1·40	18	20·2	15·93	18·30	4·41	45·60	37·16	Netrokona.		
...	...	...	...	...	......	1·90	0·30	0·60	0·25	11	?	10·64	?	4·82	30·59	?	*Subornakhally*		
1·50	0·20	0·90	4·80	3·50	0·10	2·80	0·30	0·24	1·00	14	?	19·84	?	4·60	55·57	?	*Durgapore.*		
...	...	...	0·62	...	......	1·05	2·08	0·15	0·19	12	?	8·65	?	2·08	30·46	?	*Dewanganj.*		
...	...	...	0·09	...	0·05	0·10	0·51	0·06	2·51	13	17·9	6·17	11·54	2·51	20·51	24·75	Pubna ...	Pubna.	NORTH BENGAL.
...	...	...	0·04	...	......	1·00	...	0·27	0·24	12	14·9	5·71	11·10	1·94	26·51	24·50	Serajgunge.		
...	...	...	...	...	......	0·17	0·08	0·34	0·75	11	14·8	3·18	11·71	0·81	16·88	24·45	Sherpore ...	Bogra.	
...	...	...	0·05	...	......	0·27	0·69	0·10	0·70	11	17·3	9·57	12·64	2·70	24·05	24·84	Nowkhilla.		
...	...	...	0·12	...	......	...	...	1·35	0·28	11	17·0	5·41	15·09	1·35	20·02	20·43	Bogra.		
...	...	...	0·18	...	......	0·11	2·23	0·21	0·50	9	12·0	5·61	11·03	2·23	22·78	22·02	Panchbibi.		
...	...	...	...	...	......	0·12	0·02	0·05	...	10	15·6	2·58	10·51	0·43	9·73	20·24	Beauleah ...	Rajshahye.	
...	...	...	...	...	......	0·80	...	1·00	0·80	7	11·6	5·11	9·98	1·00	17·76	21·36	Nattore.		
...	...	...	...	...	......	...	1·40	0·40	1·07	7	?	4·58	?	1·40	11·14	?	*Naogaon.*		
...	...	...	...	...	......	...	0·58	...	0·85	8	?	3·96	?	0·94	17·09	?	*Lalpore.*		
...	...	...	...	...	......	...	0·58	...	...	3	?	1·59	?	0·70	8·22	?	*Manda.*		
...	...	...	0·05	...	......	0·49	. .	0·31			15·3						Maldah ...	Maldah.	
...	...	...	...	...	......	...	0·54	...			15·4						Chanchal.		
...	...	...	...	...	......	...	0·20	...	0·50	4	?	1·90	?	0·70	7·47	?	*Gajol.*		
...	...	...	...	...	......	...	1·30	0·80	0·07	7	?	3·31	?	1·30	7·35	?	*Sibganj.*		
0·04	...	...	0·02	...	......	..	0·80	2·30	...	6	15·0	3·72	12·14	2·30	10·79	21·02	Mohadebpore	Dinagepore.	
...	...	...	0·03	...	......	...	0·52	...	...	4	12·0	2·00	12·01	1·88	10·21	19·02	Churamon.		
...	0·06	...	. .	...	......	...	1·08	...	...	4	14·5	6·08	13·74	4·12	16·85	22·94	Raigunge.		
2·65	...	...	1·40	...	......	...	1·42	...	...	9	18·0	7·86	16·84	2·65	30·45	23·68	Dinagepore.		
0·39	...	...	0·08	...	......	1·15	1·88	0·21	...	9	14·2	5·54	11·51	1·88	20·14	20·30	Baloorghat		
0·27	0·54	...	0·62	0·27	......	0·41	2·02	0·02	0·35	19	?	8·78	?	2·02	?	?	Thakurgaon.		
0·60	...	...	2·65	0·05	......	1·12	1·45	0·12	...	12	14·6	10·50	15·60	2·65	31·32	29·84	Bhawanigunge (*Gyabanda*).	Rungpore.	
0·02	0·99	0·85	0·35	0·10	......	0·25	2·57	0·24	0·27	21	18·[illegible]	11·65	21·03	2·57	31·82	36·75	Rungpore.		
1·55	3·61	6·31	0·91	2·58	0·62	1·54	1·05	0·41	0·12	20	17·0	30·28	24·01	6·31	48·06	45·13	Kurigram.		
...	1·65	2·99	0·45	0·05	0·04	1·57	3·17	0·10	0·15	18	19·3	15·63	25·33	3·17	36·31	42·83	Bazdogra. (*Nilphamari*)		
1·24	0·28	3·00	1·75	...	......	...	2·20	...	3·42	11	?	18·25	?	3·42	36·40	?	*Ulipore.*		
1·16	0·14	0·07	2·46	3·20	2·74	1·87	1·98	..	0·38	18	21·0	29·73	29·12	3·49	48·11	47·29	Julpigoree ...	Julpigoree.	
0·53	...	1·32	2·18	5·06	5·25	6·25	2·27	0·31	0·47	21	?	33·06	?	6·25	52·14	?	*Alipore Doar.*		
0·38	...	0·68	2·23	2·17	4·96	4·41	2·14	0·30	0·36	18	?	30·38	?	4·96	50·96	?	*Falacotta.*		
0·83	1·10	1·11	0·98	3·74	0·81	0·25	5·97	0·03	0·12	22	?	25·24	?	5·97	48·40	?	*Debiganj.*		
2·64	2·52	2·95	4·31	4·95	2·55	3·35	2·28	0·04	0·10	21	22·0	36·68	31·23	4·31	54·83	52·77	Dinhatta ..	Cooch Behar.	
2·06	3·08	1·32	0·52	3·34	2·95	2·35	3·77	0·30	0·25	22	22·1	33·09	38·62	3·77	57·06	56·30	Cooch Behar.		
0·52	0·12	...	0·32	2·02	[illegible]	1·31	2·21	..	0·15	18	20·7	25·13	27·51	4·75	41·92	47·25	Mekligunge.		
1·21	0·53	0·53	0·26	6·17	3·18	1·63	2·77	0·03	0·10	25	23·4	28·59	32·23	6·17	44·25	51·65	Matabhanga.		
0·60	0·27	...	1·45	[illegible]	3·86	1·01	3·51	0·21	4·93	27	24·1	42·65	44·19	8·06	71·86	79·11	Buxa ...	Darjeeling.	
0·35	0·10	...	3·22	0·05	1·25	2·48	5·22	0·08	1·24	23	20·8	23·73	24·76	5·22	42·22	41·19	Siliguri.		
...	...	...	1·17	[illegible]	0·12	0·48	[illegible]	0·55	1·18	21	24·3	8·54	24·02	1·18	17·99	35·63	Darjeeling.		
0·04	...	...	0·08	0·05	0·20	0·86	0·72	0·09	0·59	19	21·6	7·70	17·03	3·45	16·17	30·21	Kalimpong.		
...	1·30	...	0·17	...	......	0·25	2·76	...	0·83	8	15·8	7·74	15·39	2·76	27·94	25·40	Kissengunge .	Purneah.	NORTH BEHAR.
...	0·75	...	0·72	...	......	...	2·42	...	0·45	9	11·0	10·57	12·99	3·07	19·05	21·92	Arrareah.		
...	0·03	...	...	...	......	...	0·48	...	...	5	13·1	1·67	10·86	0·48	11·83	18·17	Purneah.		
...	...	...	...	...	......						?		?			?	*Gondwara.*		
...	...	...	...	...	......	...	0·50	...	...	8	?	2·10	?	0·90		?	*Balarampore*		
...	3·00	...	...	...	0·10	...	1·20	...	0·50	9	?	7·03	?	3·00	20·60	?	*Matiari.*		
1·10	0·06	...	1·13	0·88	0·16	0·13	5·50	...	0·10	16	?	15·67	?	5·50	21·69	?	*Kaliaganj.*		
...	...	...	...	...	......	...	0·09	...	...	4	9·9	3·08	8·33	2·22	16·94	15·09	Maddapore .	North Bhagulpore.	
...	0·17	...	...	...	......	...	2·03	...	...	6	10·7	3·21	8·97	2·03	12·00	15·09	Soopool.		
1·30	...	...	...	...	......	3·05	1·00	...	...	5	?	7·10	?	3·65	10·01	?	*Protabganj.*		
...	...	...	...	...	......	...	...	...	1·54	5	8·7	5·47	7·46	2·55	9·25	11·30	Tajpore ...	Durbhunga.	
...	0·27	...	...	...	......	0·03	0·59	0·04	0·09	9	10·3	6·39	7·84	3·20	13·79	12·30	Durbhunga.		
...	0·94	...	...	...	......	0·13	1·84	...	1·16	9	10·7	6·04	8·45	1·84	13·29	14·06	Madhubani.		
...	0·03	...	...	...	......	...	0·50	...	2·50	7	?	5·08	?	2·50	13·74	?	*Bahera.*		
...	...	...	...	...	......	...	...				?		?			?	*Roshera.*		
...	...	...	...	...	......	0·10	0·50	...	1·87	7	9·1	5·43	7·84	1·91	12·06	13·14	Sitamarhi	Mozufferpore.	
...	...	...	...	...	......	...	0·45	0·55	3·55	8	8·9	8·00	6·81	3·55	11·80	11·51	Mozufferpore		
...	...	...	...	...	......	...	...	0·26	0·90	5	8·8	3·10	6·54	1·13	5·22	10·25	Hajipore.		
...	...	...	...	...	......	0·40	...	1·83	0·17	4	?	2·60	?	1·83	5·70	?	*Paru.*		
...	...	...	...	...	......	.	...	0·40	0·25	3	?	1·05	?	0·40	4·30	?	*Mahua.*		
...	...	...	...	...	......	0·09	1·32	...	1·10	5	?	3·23	?	1·32	9·15	?	*Siuhar.*		
...	...	...	...	...	......	0·47	0·30	...	1·70	6	?	4·32	?	1·70	11·16	?	*Pupri.*		
...	0·54	...	...	...	......	0·25	0·70	0·43	2·80	8	10·2	6·94	8·25	2·80	12·17	12·59	Motihari ...	Chumparun.	
...	0·45	...	0·93	...	......	0·76	1·48	0·30	1·88	10	8·8	7·47	8·35	1·88	12·00	13·22	Bettiah.		
...	0·35	...	0·60	...	......	2·05	2·52	1·20	2·86	10	?	12·68	?	2·86	16·15	?	*Bagaha.*		
...	0·38	...	...	...	......	0·06	1·73	0·12	1·30	8	?	6·35	?	1·73	10·34	?	*Barhurwa.*		
...	0·26	...	...	...	......	0·05	0·90	0·69	1·00	8	9·5	4·88	6·42	1·00	7·46	10·49	Gopalgunge ..	Sarun.	
...	...	...	...	...	......	0·13	1·23	0·17	0·71	6	8·7	3·04	6·06	1·22	4·87	10·14	Sewan.		
...	...	...	...	...	......	0·07	...	...	0·90	5	8·2	2·00	6·17	0·90	4·73	9·51	Chapra.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH BEHAR	Shahabad ...	Buxar ...	0·56	...	...	...	...	...	0·19	...	0·01	...	...	...	...	...	...	...	...	...	...	...
		Dehree ..	0·15	...	...	...	...	...	...	0·07	...	...	...	...	...	...	...	...	...	...	...	...
		Bhuboosh ...	0·22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sasseram ...	0·12	...	...	...	...	...	...	0·16	0·24	...	...	...	...	...	...	...	...	...	...	...
		Arrah ...	0·52	...	...	...	...	...	...	...	0·25	...	...	...	...	...	...	...	...	...	...	...
		Mohaniah ...	0·60	...	...	...	...	...	...	...	1·50	...	...	...	...	...	...	...	...	...	...	...
	Gya ...	Aurungabad...	...	...	...	...	...	...	...	0·43	...	...	...	...	...	...	...	...	...	...	...	...
		Gya ...	0·04	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nowadah ...	0·09	...	...	...	...	...	...	0·03	...	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad ...	0·28	...	...	...	...	...	0·05	...	1·58	...	...	...	...	...	...	...	...	...	...	...
		Arwal ...	0·30	...	...	...	...	...	0·15	...	0·70	...	...	...	...	...	...	...	...	...	...	...
		Daudnagar ...	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sherrghati ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rajauli ..																				
		Pakri Barawan.	...	...	...	0·20	...	...	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...
	Patna ...	Patna ...	0·27	...	...	0·13	...	...	0·62	...	0·60	...	...	...	...	...	...	...	...	...	...	...
		Dinapore ...																...	...	...	...	...
		Behar ...	...	...	...	...	...	...	0·11	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barrh ...	0·80	...	...	...	...	...	0·20	0·10	...	...	...	...	...	...	...	...	...	...	...	...
		Bickram ...	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hilsa ...	0·48	...	...	...	...	...	1·52	...	0·01	...	...	...	...	...	...	...	...	...	...	...
	Monghyr ...	Begooserai ...	0·70	...	...	0·10	...	...	...	0·03	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr ...	0·17	...	...	0·16	...	0·04	...	0·42	0·45	...	...	...	...	...	...	...	...	...	...	...
		Jamui ...	0·47	...	...	0·05	...	0·11	...	1·24	...	...	...	...	...	...	...	...	...	...	...	...
		Gogri ...	...	...	...	0·90	...	...	...	0·20	0·22	...	...	...	...	...	...	...	...	...	...	...
		Sheikpura ...	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South Bhagulpore.	Bhagulpore ...	0·24	...	...	0·19	...	...	...	1·40	...	...	...	...	...	...	...	...	...	...	...	...
		Banka ...	...	...	...	...	0·10	0·33	...	1·15	0·03	...	...	...	...	...	...	...	...	...	...	...
		Kolgong ...	...	...	...	0·62	...	0·18	...	2·40	...	...	...	...	...	...	...	...	...	...	...	...
	Sonthal Pergunnahs.	Rajmehal ...	...	...	...	...	...	0·79	...	0·51	0·09	...	...	...	...	...	...	...	...	...	...	...
		Godah ...	0·05	...	...	0·40	...	0·88	...	1·00	...	...	...	...	...	...	...	...	...	...	...	...
		Pakour ...	0·15	...	...	1·75	...	0·22	...	0·98	0·11	...	...	...	...	...	0·01	...	...	0·07	...	...
		Nya Doomka	0·30	0·27	0·29	0·26	0·28	0·05	...	0·36	0·11	...	...	...	...	...	...	...	...	...	...	...
		Deoghur ...	0·05	...	...	...	...	...	...	0·47	...	...	...	...	...	...	...	...	...	...	...	...
		Jamtara ...	...	...	...	0·19	...	0·28	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mohagama .	...	...	...	0·05	...		...	0·58	...	...	...	...	...	...	...	...	...	...	...	...
		Nanihat ...	0·12	...	...	...	...	...	...	...	1·09	...	...	...	...	...	...	...	...	...	...	...
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ...	0·01	...	...	0·84	...	0·16	...	0·29	...	...	...	...	...		...	...	...	...	...	...
		Hazaribagh ...		...	...		...	...	...	0·64	...	...	...	...	...	...	...	...	...	...	...	...
		Somtagurah .	...	...	...	...	...	...	0·20	...	...	0·19	...	...	...	...	...	...	...	...	...	...
		Mahudi Hills	...	...	...	...	...	...	...	0·26	0·51	0·07	...	...	...	...	...	...	...	...	...	...
		Jhoomrah Hills	...		...	...	...	...	...	0·50	...	...	...	...	...	...	...	...	...	...	...	...
		Barhi ...	...	...	...	...	...	0·45	...	...	...	0·60	...	...	...	...	...	...	...	...	...	...
		Chatra ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Karagdeha ...	...	...	0·10	1·00	...	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ramghar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lohardugga...	Lohardugga ..	...	...	...	...	...	0·07	...	0·75	...	...	...	...	...	...	...	...	...	...	...	...
		Ranchi ...	0·21	...	...	...	...	...	0·14	...	...	0·80	...	...	...	...	0·09	...	...	...	...	...
		Palamow ...	...	...	...	...	...	0·05	...	...	0·07	0·11	...	...	...	...	...	...	...	...	...	...
		Sills ...																...	...	...	...	...
		Balumat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hoseinabad...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Garwah ...	...	...	...	...	...	...	...	0·40	...	...	...	...	...	...	...	...	...	...	...	...
	Singbhoom ...	Chyebassa .	0·09	...	...	0·05	0·17	0·03	0·10	1·05	...	0·18	...	...	...	...		...	...	...	...	...
		Chakradharpore.	0·44	0·07	...	...	0·23	...	...	0·34	1·17	0·25	...	...	...	...		...	...	...	...	...
		Ghatsila ...	...	0·62	...	...	...	...	...	1·77	0·25	...	...	...	...	...	...	...	...	...	...	...
		Baharagura ..	...	...	0·17	...	1·20	...	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...
	Manbhoom ...	Purulia ...	0·34	0·64	...	0·64	0·15	0·12	0·04	...	...	0·05	...	...	...	...	...	...	...	...	...	...
		Gobindpore ...	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raghunathpore.	...	0·11	...	...	...	0·04	0·40	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barrabhoom ..	...	0·09	...	...	...	0·72	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jhalda ...	...	...	...	...	0·20	1·00	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chas ...	...	0·28	...	...	0·50	...	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...

in Bengal for the month of June 1888—*concluded.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 30th June 1888.	Average rainfall from 1st January up to 30th June 1888.	Station.	District.	Meteorological division.
...	......	...	...	...	...	0·14	...	0·37	1·35	6	8·8	2·32	4·76	1·25	4·87	7·29	Buzar ...	Shahabad ...	SOUTH BEHAR.
...	......	...	...	...	...	0·07	...	1·35	0·10	5	7·2	1·74	3·20	1·25	4·27	6·41	Dehree		
...	......	...	...	...	...	...	...	1·15			7·6						Bhuboorah.		
...	......	...	...	...	...	...	...	...	1·45	4	9·2	1·97	5·60	1·43	3·39	7·57	Sasseram.		
...	......	...	...	...	...	...	...	...	...	2	9·6	0·77	6·45	0·54	2·31	10·24	Arrah.		
...	......	...	...	...	...	...	...	0·50	0·60	4	?	3·20	?	1·50	4·50	?	*Mohaniah.*		
...	......	...	...	...	...	0·14	...	1·09	0·59	4	7·9	2·25	5·21	1·09	3·36	5·40	Aurungabad...	Gya.	
...	......	...	...	...	...	...	1 40	1·62			10·1						Gya.		
...	......	...	...	...	...	...	...	0·84	0·81	4	7·8	1·77	5·36	0·84	3·45	9·20	Nowadah.		
...	......	...	...	...	...	...	0·50	0·30			7·4						Johanabad.		
...	......	...	...	...	...	...	...	0·14	0·26	5	?	1·55	?	0·70	4·16	?	*Arwal.*		
...	......	...	...	...	...	...	...	...	0·50	2	?	0·70	?	0·50	1·50	?	*Daudnagar.*		
...	......	...	...	...	...	...	...	0·20	...	1	?	0·20	?	0·20	0·90	?	*Sherrghati.*		
...	......	...	...	...	...						?		?			?	*Rajauli.*		
...	......	...	...	...	...	...	...	0·20	0·30	4	?	0 30	?	0·30	2·12	?	*Pakri Barawan.*		
...	......	...	...	...	...	...	...	0·11	1·10	6	10·2	2·83	6·72	1·10	4·46	10·23	Patna ...	Patna.	
...	......	...	...	...	...	...	...	0·80	1·40		8·0						Dinapore.		
...	......	...									9·3						Behar.		
...	......	...	...	...	...	...	...		0·20	4	8·8	1·30	4·88	0·80	3·30	8·56	Barrh.		
...	......	...	...	...	...	...	...		...	2	?	2·00	?	1·70	3·40	?	*Bickram.*		
...	......	...	...	...	...	...	...	1·70	0·11	5	?	2·29	?	0·52	4·23	?	Hilsa.		
...	......	...	...	...	...	...	...	0·23											
...	......	...	...	...	...	...	...	0·29	1·03	5	9·6	2·15	6·01	1·03	4·11	10·05	Begooserai ...	Monghyr.	
...	......	...	...	...	...	...	...			5	10 7	1·24	6·59	0·45	5·10	10·68	Monghyr.		
...	......	...	...	...	...	...	...		0·08	6	9·8	3·62	6·35	1·67	6·10	10·72	Jamui.		
...	......	...	...	...	...	...	...	1·67	1·20	4	?	2·52	?	1·20	5·82	?	*Gogri.*		
...	......	...	...	...	...	...	...	2·14	0 30	3	?	2·94	?	2·14	4·64	?	*Sheikpura.*		
...	......	...	...	...	...	...	...			3	12·1	1·92	8·14	1·49	8·24	12·18	Bhagulpore ...	South Bhagulpore.	
...	......	...	...	...	...	...	0·67	...	0·21	6	10 8	2·40	7 50	1·15	4·26	12·06	Banka.		
...	......	...	...	...	...	...	...	...	1·60	4	?	4·80	?	2·40	9·64	?	*Kolgong.*		
...	......	...	...	...	...	...	1·11		...	4	11·3	2·50	10·02	1·11	6·19	16·97	Rajmehal ...	Sonthal Pergunnahs.	
...	......	...	...	...	...	0·10	1·50	...	1·16	7	10·9	5·09	6·70	1·50	8·76	12·03	Godah.		
...	......	...	...	...	...	...	1·37		0·99	10	14·4	5·68	10 66	1·75	10·69	17·64	Pakour.		
...	......	...	...	...	...		1·85	0·03	0·62	11	15·2	4·49	8·79	1·85	8·71	15·42	Nya Doomka.		
...	......	...	...	...	...	0·22	0·07	0·10	1·00	6	13 1	4.21	8·12	2·40	6·94	13 67	Deoghur.		
...	......	...	...	...	...	0·14	1·29	2·40	1·24	7	14 2	5 49	7·90	1·98	10·04	13·02	Jamtara.		
...	......	0·37	...	...	...	...		1 98	0·18	4	?	2·48	?	1·72	?	?	*Mohagama.*		
...	2·95	...	...	...	...	...	1·35	1·72	0·18	5	?	5·50	?	2·95	6·17	?	*Nanihat*		
...	......	...	...	...	0·10	...	0·05	0·34			14·2						Pachamba ...	Hazaribagh ...	CHUTIA NAGPUR.
											15·3						*(Giridi).*		
...	......	...	...	...	...	0·05	0·50				12·0						Hazaribagh.		
...	......	...	...	...	...		0·19	0·43			10·4						Semtagurah.		
...	......	...	...	...	...	0·06	0·16				12·9						Mahudi Hills.		
...	......	...	...	...	...			1·14			?						Jhoomrah Hills		
...	......								0·12		?	1·67	?	0·60	3·16		*Barki.*		
...	......	...	...	...	0·35	...	...	0·15		5	?	2 69	?	2·50	5·12	?	*Chatra.*		
...	......	...	...	...	0·19	0·34	...	2·50	0·90	2	?	3·14	?	1·00	4·64	?	*Karagdeha.*		
...	0·30	0·30	...	...	...	0·15	1·34		1 18	7		2 75	?	1·34	5 80	?	*Ramghar.*		
...	......	...	...	...	...			0·08		4	14·5								
						0·46	0·07		0 11		15·2	2·87	7·67	1·17	7·88	12·73	Lohardugga ...	Lohardugga.	
...	......	...	...	...	0·24	...	0·67	1·17	0·43	7	10 0	3·05	7·64	0·80	7·57	13·73	Ranchi.		
...	......	...	...	...	0 25	0·13		0·47	0·20	8	?	3·48	5·91	2·76	5·16	9·47	Palamow.		
...	......	...	...	...	0·16	...	1·00	2 76		7	?		?			?	*Silli.*		
...	......	...	...	...	...			...			?	Nil	?	Nil	0·32	?	*Balumat.*		
...	......	...	...	...	...	0·54	0·23		...	Nil			?			?	*Hoseinabad.*		
...	......	...	...	...	...			1·35	...							?	*Garwah.*		
...	......	...	...	...	...	...	0·24				15·8	3 04	8·01	1·05	8·98	15·29	Chyebassa ...	Singbhoom.	
...	......	0·30	...	...	...	...	0·45	0·23		11	?	3·00	?	1·17	9·70	?	*Chakradharpore.*		
...	......	...	...	...	...			0·09	0·60	8	?		?						
...	......	...	...	...	...	...	0·70	0·06	...		?	7·73	?	3·74	16 32	?	*Ghatsila.*		
...	......	...	...	1·10	...	...	1 02		3·74	6						?	*Baharagura.*		
...	......	...	...	...	0·08	0·92	0·58	0·14	0·47	12	15·5	4·17	8·77	0·92	9·42	14·50	Purulia ...	Manbhoom.	
...	0·02	...	...	...	0·74	0·28	0·45	0·72	0·93	7	13·2	2·26	7·00	0·74	5·04	11·46	Gobindpore.		
...	......	...	...	...	...	0·11	0 30	1·11	0·80	7	?	2·87	?	1·11	7·77		*Raghunathpore.*		
						...					?	2·76	?	1·75	8·08				
...	......	...	...	...	...		0·20	...	1·75	4	?		?			?	*Barrabhoom.*		
...	......	...	...								?		?			?	*Jhalda.*		
...	......															?	*Char.*		

SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, DURING THE MONTH OF JUNE 1888.

The month of June is, from a meteorological point of view, almost the most important month of the whole year in Bengal, for it is in this month that the south-west monsoon usually establishes itself over the province, and generally over the greater part of Northern India. The cause of the setting in of the rains at the beginning of June has been discussed in the monthly reports of previous years, and it is therefore not necessary to repeat this description. It has also been pointed out that the rainfall in the south-west monsoon is not due to a perfectly steady and continuous action, but that it occurs rather as a series of waves or pulsations, a strong wave of rainfall being followed by a period of comparative calm and absence of rainfall, and it is during the latter that frequently small barometric depressions or cyclonic storms are formed, generally over the sea area, and which, after developing for a few days, advance over the land, bringing heavy rainfall to the districts through which they pass. With reference to these storms, it may also be said that the longer the period during which they are forming, the more intense they will be. So far also as has been ascertained up to the present time, it would appear that, during a comparatively weak monsoon, the periods of comparative cessation of rainfall are more frequent and are of longer duration than during a monsoon of normal strength, and thus weak monsoons are frequently characterized by the number and comparative intensity of the cyclonic storms or barometric depressions which visit the land, while during years when the monsoon is equal to or above its normal strength, these storms occur but seldom, and they are of little intensity.

The distribution of the normal rainfall in June is to a certain extent similar to that of April and May, but much heavier. The lines of equal rainfall run nearly north and south through the province, the heaviest falls occurring in east and parts of North Bengal, and the smallest in the western parts of Behar. In the former districts rainfall varies from 25 to 35 inches, while at Buxar it is less than 5 inches.

The most important meteorological features of June are, therefore, the date of the commencement of the south-west monsoon, its strength, the area over which it acts, the occurrence and paths of cyclonic storms, and the amount and distribution of the rainfall.

Meteorology of the month and establishment of the monsoon.—In the meteorological report for May the progress of the monsoon current during that month was described A first advance of the monsoon winds in the south of the Bay had taken place about the 8th or 9th of that month, and in front of this advance a small cyclonic storm had formed which crossed the South Madras coast, The advance then died away, not having progressed very far up the Bay. The second advance commenced about the 17th and lasted only for four or five days, and it would appear that in this advance the monsoon winds reached about the centre of the Bay, when they again died away. The third advance of the monsoon current commenced in the south of the Bay on the 27th, and from the 28th exceptionally strong winds were reported at the Ceylon stations which continued up till the 1st of June. This represented a very powerful advance of the monsoon current, and it is probable that squally unsettled weather obtained over the whole of the centre and south of the Bay at this time. On June 1st the advance had reached well into the centre of the Bay, and there were no indications of any definite storm having formed in front of the advance. On the 2nd of June, however, there was a decided fall of pressure at the central stations on the east coast of the Bay, while wind directions showed rather strong indraught towards the sea area. It was clear on this day that a small cyclonic storm was forming to the north-west of the Andaman Islands. On the morning of the 3rd the small storm had developed somewhat rapidly, and it existed as a well-defined, though rather small, storm off the West Pegu coast. On this day weather was probably rather stormy to the east of the centre of the Bay, and strong winds were reported in Burma at the stations of Diamond Island and Bassein. The small storm then commenced to move in a north-westerly direction, and on the 4th of June it was in the centre of the Bay, and apparently advancing towards the Orissa coast. On this day also it is probable that the storm was of moderate intensity, though there were indications that it was even then of less intensity than it had been on the previous day. The special four-hourly observations made at some of the principal stations at the head of the Bay showed that from 8 A.M. of the 4th, and particularly during the night of this day, the storm gradually became more and more feeble, till, on approaching the coast on the morning of the 5th, it had ceased to exist as a definite storm, and its place was taken by a diffused disturbance of little importance, which gradually drifted over Orissa and the head of the Bay, giving moderate rain only. On the 6th, pressure continued to fall over South-West Bengal and Orissa, owing probably to the continued feeble existence of the depression, but after this date it disappeared, and ceased to affect the weather of the province. With its disappearance a moderately strong south-easterly current set in over the greater part of the province, and moderate rain fell in all districts except South Behar and Chutia Nagpur; but the true rains cannot be said to have commenced at this time in Bengal, for the rainfall brought up by the moist wind current blowing generally accompanied local storms; and though south-easterly and easterly winds were reported over a large part of the province, still dry north-westerly and westerly winds were blowing at the western stations in Behar and Chutia Nagpur. By the actions above described, however, fairly frequent rain showers were received in all districts of the province, except in parts of Chutia Nagpur and South Behar, and these continued up till about the 9th or 10th of the month.

Up to this period all the meteorological indications pointed to the early commencement of the rains in Northern India, and in normal years the next advance of the monsoon current would probably have carried the rain-bearing current over the greater part of Bengal; but though strong winds continued to be reported in the south of the Bay, particularly for some days from about the 6th, again from the 17th and from the 21st, indicating that were successive waves of strong monsoon winds passing up the Bay, yet rainfall remained practically almost absent from the whole of Bengal up till the 27th to the 29th of the month. The cause of this almost complete stoppage of the progress of the rain-bearing current up the Bay towards Bengal is a little difficult to trace out from the fact that the most important information in deciding the matter would be the meteorological data of the sea area over which the monsoon has to pass, and which is, from the nature of the case, almost impossible to procure, though perhaps later on some information may be able to be obtained from the logs of the various vessels navigating the Bay. So far as the information at the disposal of the Meteorological Department can prove the case, that is, on the information derived only from the stations on the coasts of the Bay, it would appear that the cause of the stoppage of the rain-bearing current, or rather its deflection from Bengal, was that indicated in the report for the week ending June 22nd, namely, that there must have been a feeble but persistent area of low pressure with disturbed conditions generally existing off the Arakan and West Pegu coasts. That such an area, or perhaps even a depression, did probably exist was indicated by the wind directions at the stations on these coasts, and by the continued and repeated indications of the formation of an extremely feeble but persistent whirl over the sea area in the eastern part of the Bay. By this tendency to wind circulation it would appear that the monsoon current blowing to the south of it was deflected in an easterly direction, and hence made itself principally felt over Burma and afterwards over Assam, and thus for the period from the 10th up to about the 27th of the month, while almost the whole of Bengal, except parts of North Bengal, received no general rain such as is usual in June, particularly heavy rain fell over Burma and Assam. Thus in the week ending the 29th of June, Dhubri received the extremely heavy fall of 26 06 inches, while falls of more than ten inches in a week were reported in several cases in these districts. At the same time also it is probable that, owing to the influence of these disturbed conditions in the Bay, a much larger amount of rain fell over the sea area than is the case usually during the monsoon period, thus diminishing generally the heaviness of the rainfall over the land.

Though the greater part of Bengal during the period from the 10th to the 27th received little or no rain, the area receiving rainfall was, however, gradually extending, and moderate to heavy rain was received from about the 21st in the Rungpore, Julpigoree, Cooch Behar and Darjeeling districts of North Bengal. A slight advance of humid winds also took place on the 22nd in the western districts, as was shown by the rapid increase in the humidity in Behar, and moderate rainfall, apparently to a great extent brought about by a series of local storms, was reported on the 23rd from all the districts of South-West Bengal, except Midnapore and Moorshedabad On the following day the area of rainfall contracted, and except at some of the stations in East and North Bengal, rainfall was practically absent from the province, and again ordinary hot weather conditions obtained over the greater part of Bengal. On the 25th and 26th, weather conditions had not changed to any material extent, except that there were slightly more favourable indications of the probabilty of the monsoon drifting over Bengal; but on the 27th a rapid and important change took place. On this day it almost appeared as if there had been a decided increase in the strength of the Bombay branch of the monsoon current; pressure rose rapidly in the western and central districts, and a south-westerly wind current set in at many of the stations in the centre and north of the province; and even at Darjeeling a strong south-westerly wind, averaging 21 miles an hour, was reported. With this sudden inrush of winds considerable interaction took place, and thunderstorms became numerous in the south of the province. On about the same day also the Bay of Bengal monsoon current commenced to spread over South-East Bengal, and it has since that day steadily advanced over the whole province, and from the 27th to the 29th considerable amounts of rain were received. In South-West and East Bengal the general rainfall commenced on the 27th, and over a large part of North Bengal it began from about the 28th, except in the districts previously mentioned, viz., Rungpore, Julpigoree, Cooch Behar and Darjeeling, where rain had been reported previously. In North Behar and Chutia Nagpur also rainfall generally commenced about the 28th; in South Behar rainfall began on the 29th and 30th; and finally, in Orissa rainfall was light and irregular until the close of the month. The monsoon rains may therefore be said to have only broken in the province from about the 27th to the 29th, and as the usual date of commencement is from the 10th to the 15th, or, say, the 12th June, the rains have been quite a fortnight late in setting in; but even up to the close of the month the rains, except in parts of North Bengal, were by no means heavy.

It has previously been stated that the delay in the advance of the monsoon current over Bengal, so far as could be judged, was probably due to the existence of disturbed conditions off the West Pegu and Arakan coasts, and that there were also distinct indications of the continued existence of a feeble low-pressure area in that locality. With the setting in of the rains in Bengal, the whole of the indications referred to completely disappeared, and conditions became normal in the Bay But with the disappearance of these conditions in the Bay, a feeble but distinct tendency to the formation of a low-pressure area commenced in South and South-West Bengal. The appearance of this tendency to low pressure and consequent cyclonic circulation of winds in South Bengal simultaneously with the disappearance

of these conditions in the Bay, may have been merely a coincidence, or it may be they were directly connected with each other; but perhaps the latter is more probable, though the evidence available is not sufficient to prove any distinct connection between the two, or to prove the transfer of the disturbance from the one area to the other.

Strength of the monsoon.—The monsoon current may vary in two ways, and its strength will depend on the two considerations of its velocity, and the depth or thickness of the current. No means are available for measuring the depth of the current, so that, in judging of the strength of the monsoon current from year to year, only its velocity can be measured and compared. The velocity can be measured accurately, but it will be seen that this alone can give only a rough approximation to truth. In the table below are given the actual daily velocity of the winds for June compared with the average for the same period at all the stations near the coast, from Diamond Island round to Gopalpore, at which winds have been registered for a sufficient length of time to give a reliable average:—

STATIONS.	Actual average wind velocity for June 1888. Miles per day.	Normal wind velocity in June. Miles per day.	Variation of actual for June 1888 from normal.
Diamond Island	223	204·8	+8·2
Akyab	94·4	94·0	−0·4
Chittagong	115·2	167·3	—52·1
Dacca	142·4	173·6	—31·2
Jessore	105·6	119·7	—14·1
Calcutta	152·0	145·7	+6·3
Saugor Island	458·4	341·7	+116·7
Cuttack	112·9	95·7	+17·2
False Point	323·3	264·0	+59·3
Gopalpore	390·4	266·1	+124·3

Out of the ten stations representing the coast line of practically the whole of the province, four stations show a wind velocity below the normal, and six show velocities above the normal; but the excess amounts are not only registered at the larger number of stations, but are in themselves much larger than the defects. Another interesting point is that the defects have been registered at the stations in the east and north-east of the Bay only, that is, in connection with the area where the disturbed conditions existed which prevented the monsoon from advancing over Bengal in a normal manner. Judged by the above figures, it would appear probable that the strength of the monsoon is quite equal to, if not above, the average of most years, for the wind movement during the month has been actually decidedly greater than in normal years, and thus the absence of rainfall can only be accounted for by the fact that the current was deflected from Bengal. It would therefore appear probable that when the cause of this deflection has become removed, it may be expected that the monsoon rains will be subsequently of normal heaviness.

Pressure.—For the first week in the month, owing to the advance of the feeble depression over the south-western districts of the province, pressure was decidedly below the normal; the defect equalling 0·04 inch over these districts, though the general pressure for the province was only in defect by 0·019 inch. In the second week the defect had increased very considerably, and thus, while at the southern stations pressure was nearly a tenth of an inch below the normal, the general defect was 0·064 inch. In the third week this defect remained practically unaltered, but in the fourth week the average pressure became normal, though the general distribution was a little anomalous; and in the eastern and western districts pressure was above the normal, and at the central stations it was below it, the defect being partly due to the existence of the low-pressure area, above referred to, over South Bengal. For the whole month, taking into consideration only those stations which have recorded observations for a series of years, and which therefore yield reliable data for averages, the mean pressure in the whole province of Bengal has been 0·024 inch below the normal. At almost all stations pressures have been in defect, and at Calcutta and Gya the defects have equalled about 0·04 inch. In Assam the mean pressure for the month has been 0·048 inch in defect of the normal.

Temperature.—The records of temperature during the past month have been of most exceptional nature, and owing to the absence of general rainfall from about the 10th to the 27th, and in some cases up to the 29th June, the temperatures registered at some stations have been higher than any previously recorded since the Meteorological Department was established. For the first week in the month the temperatures recorded were not very far removed from the normal, but in the second week temperature commenced to rise, and a period of unusual heat set in. The temperature generally was highest on Thursday, the 14th, and the mean temperature of the 24 hours from 10 A.M. of the 14th to 10 A.M. of the 15th was above the normal of the day by the following amounts: at Balasore 16·1°, at Midnapore 13·4°, at Calcutta 10·5°, and at Burdwan 10·1°. The maximum temperature recorded at the Alipore Observatory (Calcutta) on the 14th was 106·8°. The highest previously recorded temperature since the establishment of the observatory in 1874 has been 105·6° on April 14th, 1884, the next highest was 105·5° on April 15th, 1885, so that the temperature on this day was certainly 1·2° higher than any in Calcutta of which there are thoroughly reliable records, or rather records comparable with those made at the present time. A higher temperature than this even

was recorded on this day, the 14th of June 1888, at the Chowringhee Observatory, when the maximum thermometer indicated no less than 107·2°. The temperatures at the Chowringhee Observatory may perhaps be fairly accurately compared with the records of temperature which were formerly taken at the Surveyor-General's Office, and, so far as can be ascertained, the highest temperature previously recorded either at the Chowringhee Observatory or at the Survey Office as far back as 1854 has been 106°. Therefore both the records at the Alipore and Chowringhee Observatories prove that the temperature on the 14th June in Calcutta was about 1·2° to 1·3° higher than previously recorded by accurate observations. Very high maximum temperatures were also recorded at other stations:—thus Dehree registered 114·5° on the 14th, Gya 113·6° on the 14th, Balasore 113° on the 15th, Midnapore 112·4° on the 14th, and several other stations temperatures above 110°. The extreme heat is also shown by the fact that the mean temperature for the second week of June was nearly 4° in excess of the normal in Chutia Nagpur, Orissa, and South-West Bengal, and about 2° above it in East Bengal and South Behar.

The conditions of excessive temperature were again strongly marked in the third week, and during this period in Chutia Nagpur the average mean temperature was no less than 13·2° in excess of the normal temperature, in South Behar the excess equalled 10°, in South-West Bengal 7·7°, and in Orissa 6·2°. In the fourth week again Chutia Nagpur showed an excess of 10·2°, South Behar one of 7·9°, and South-West Bengal 5°. It will be seen that for the greater part of the month the temperature of all the western districts has been largely in excess of the normal. The mean temperature of the whole month has thus been nearly nine degrees in excess of the normal in Chutia Nagpur, and about five degrees above it in Orissa, South-West Bengal, and South Behar. In East Bengal temperature has also been in excess, but by only 1·8°, and in North Bengal and North Behar temperature has been almost normal. In Assam, on the other hand, the mean temperature for the month has been slightly below the normal.

Rainfall.—The date of the establishment of the monsoon, and the cause of its considerable delay, so that it was nearly a fortnight late, have already been discussed, and it therefore only remains to discuss the actual amount of rainfall which has been received. It need scarcely be stated that rainfall has been largely in defect in all districts or meteorological divisions, and the amounts of the defective falls vary from about eight and a half inches in East Bengal to nearly four inches in North Behar. Compared with the normal fall for June, and expressed as a percentage of that amount, the actual fall over the whole province has been only forty-eight per cent. of the usual amount.

The comparison of the various great divisions of the province during June with the normal is most accurately shown in the form of a percentage. The figures representing the rainfall of the month calculated in this way are included in the table below under the head of June. This table really gives a condensed summary of the rainfall statistics of the present year up to date for each meteorological division, the first six columns giving the actual rainfalls in each month in each division expressed as a percentage of the normal, while the seventh column of figures shows the actual divisional rainfall of the first six months of the year calculated in the same manner; the figure 100 will therefore represent a normal fall, above it excess, and below it defect. Judged by these figures, it will be seen that the rainfall during the past month has only been about a third of the normal in Orissa, Chutia Nagpur, and South Behar; while in South-West Bengal and East Bengal it has been little more than half the normal, and in North Bengal and North Behar it has been nearly two-thirds of it. The rainfall of the year has also been below the normal in all districts, the defect equalling about ten to fifteen per cent in East and North Bengal and North Behar, and about twenty-five per cent. in South-West Bengal; in Orissa the defect has been nearly forty per cent., and in South Behar and Chutia Nagpur it is from fifty to sixty per cent:—

Meteorological Districts.	January	February	March.	April.	May.	June.	Actual rainfall of first six months of 1888 expressed as a percentage of the normal fall for the period.
Orissa ...	410	193	41	46	92	30	62
South-West Bengal ...	207	125	67	141	62	57	75
East Bengal ..	258	109	119	221	90	53	90
North Bengal ..	52	73	122	180	95	69	87
North Behar ...	79	4	132	348	102	61	86
South Behar ...	157	17	19	69	59	39	45
Chutia Nagpur ...	235	104	5	24	39	30	41

The actual rainfalls during the month have varied from above 40 inches at some of the stations in the Western Duars to less than one inch at Kooshtea, and over a considerable area in the Gya and Shahabad districts, represented by such stations as Arrah, Shergati, and Pakri Barawan. The distribution of the actual rainfall for the month has been to a certain extent similar to that of ordinary years, and the heaviest falls have occurred in the north-east and east of the province, and the rainfall gradually diminishes in amount towards the western districts of Behar and Chutia Nagpur.

In fact, when compared with the normal, one or two small areas have actually received falls in excess, and thus in North Bengal there is a small tract represented by Kurigram and Dinhatta, where falls 5 inches in excess of the normal have been received, while Julpigoree

has also received an excess fall. Again in East Bengal there is a small area represented by Brahmanberiah, Naraingunge and Kishoregunge, where the falls have been also in slight excess. And in other districts, Mozufferpore, Raneegunge, Baraset and Hooghly also show slight excess falls. On the other hand, the greater part of the province shows a defect exceeding three inches of rain, and over a large area defects exceeding five and even ten inches are common; while in Darjeeling the defect has been 15·49 inches, and at Cox's Bazar no less than 20·79 inches.

Where the general defect of rainfall over the province averages as much as fifty-two per cent. of the normal, it is useless to attempt to indicate the particular districts where the defects have been seriously large, for almost the whole province would be included under this head. On the other hand, when taking up the rainfall in each of the smaller districts, there have been some of them which have received fairly good falls, and thus in the Burdwan, Julpigoree, Cooch Behar and Chumparun districts the falls have been nearly equal to the normal for the month.

In Assam, as has already been stated, heavy rainfall has been received during June, and thus at Dhubri no less than 42·76 inches have been received, at Silchar 28·46 inches, and at Sibsagar 13·52 inches.

The following table gives full data for the comparision of the actual and the normal rainfall of the month of June in all districts of the province of Bengal. The figures are derived from the average and actual rainfall of the rain-recording stations in each district, due allowance or weight being made for the area which each station represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in each district. The third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states as a percentage how much the district rainfall of the month varied in excess or defect from the normal rainfall, and is hence the difference between the numbers in the third column and 100 :—

Division.	District.	Normal district rainfall, June.	Actual district rainfall, June 1888.	Percentage of actual to normal rainfall.	Percentage excess (+), defect (−).
Orissa ...	Pooree	7·89	2·64	33	—67
	Cuttack	9·12	2·34	26	—74
	Balasore	8·25	2·42	30	—70
South-West Bengal	Midnapore	9·59	3·40	35	—65
	24-Pergunnahs	9·83	5·58	57	—43
	Howrah	9·45	4·00	42	—58
	Hooghly	9·75	8·81	90	—10
	Burdwan	9·23	6·04	65	—35
	Bankoora	9·56	7·14	75	—25
	Beerbhoom	9·10	7·80	86	—14
	Nuddea	9·62	4·23	44	—56
	Khoolna	12·44	5·60	45	—55
	Jessore	12·10	7·10	59	—41
	Moorshedabad	9·05	5·17	57	—43
East Bengal	Chittagong	26·32	10·55	40	—60
	Backergunge	18·66	6·91	37	—63
	Noakhally	24·18	9·03	37	—63
	Furreedpore	12·61	7·73	61	—39
	Dacca	12·91	9·69	75	—25
	Commilla	17·21	10·30	60	—40
	Mymensingh	17·42	11·86	68	—32
North Bengal ...	Pubna	11·32	5·94	52	—48
	Bogra	13·11	5·81	44	—56
	Rajshahye	10·26	3·77	37	—63
	Maldah	10·60	1·46	14	—86
	Dinagepore	13·25	5·16	39	—61
	Rungpore	21·49	17·21	80	—20
	Cooch Behar	32·75	31·52	96	—4
	Julpigoree	29·12	29·73	102	+2
	Darjeeling	24·02	8·53	35	—65
North Behar ...	Purneah	12·98	6·02	46	—54
	North Bhagulpore	8·71	3·16	36	—64
	Durbhunga	8·00	6·03	75	—25
	Mozufferpore	7·08	5·84	82	—18
	Chumparun	8·31	7·24	87	—13
	Sarun	6·39	2·98	47	—53
South Behar ...	Shahabad	6·30	1·90	30	—70
	Gya	5·58	2·49	45	—55
	Patna	5·95	1·64	28	—72
	Monghyr	6·29	2·37	37	—63
	South Bhagulpore	7·77	2·25	29	—71
	Sonthal Pergunnahs	8·59	4·57	53	—47
Chutia Nagpur ...	Hazaribagh	7·90	1·74	22	—78
	Lohardugga	7·00	3·11	44	—56
	Singbhoom	8·01	3·04	38	—62
	Manbhoom	8·42	3·79	45	—55

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological divisions of the Province for the month of June 1888 :—

Meteorological Divisions.	Temperature.						Rainfall.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	113·0	71·6	96·1	81·6	88·3	+4·9	3·64	8·86	−5·21	8·7	12·0	−3·3	5·04	11·92
South-West Bengal	112·6	71·1	98·8	80·5	89·7	+4·6	5·76	10·09	−4·33	8·6	14·7	−6·1	8·01	12·83
East Bengal	100·7*	70·3*	90·3*	78·3*	84·3*	+1·3*	9·70	18·21	−8·51	12·2	19·4	−7·2	16·38	25·53
North Bengal	108·9	65·7	91·2	76·5	83·9	+0·3	12·22	17·76	−5·54	12·6	16·9	−4·3	19·28	23·85
North Behar	105·8	68·3	94·3	78·5	86·4	+0·8	5·29	8·73	−3·44	7·0	10·2	−3·2	8·29	10·57
South Behar	114·0	67·8	102·2	81·1	91·8	+5·1	2·60	6·68	−4·08	5·3	10·2	−4·9	3·85	8·28
Chutia Nagpur	108·0†	68·4†	100·1†	79·1†	89·6†	+8·6†	2·46	8·18	−5·72	7·3	13·5	−6·2	6·36	10·01
Assam	93·6	70·3	87·5	75·6	81·6	−0·9	...	...	......	...	...	...	...	...

* Noakhally not included.
† Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 11th June 1888.

ALEXANDER PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. — Air Pressure. — Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. — Prevailing direction.	Mean wind velocity.	Temperature. — Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·608	29·620	—	SW	346·0	91 2	30th June	75·6	6th July	87·1	79·1	83·1		83
		Gopalpore ...	29·601	29·651	+·003	South-westerly	405·0	90·2	30th ,,	81·8	2nd ,,	87·0	82·6	85·3	+2·0	85·7
		False Point ...	29·606	29·627	—·005	W	346·0	89·5	4th July	76·6	1st ,,	87·8	79·4	83·6	+0·5	85·8
	Cuttack	Cuttack ...	29·548	29·624	+·004	South-westerly	96·0	94·4	5th ,,	77·3	1st ,,	91·4	79·7	85·5	+0 8	86·7
	Balasore	Balasore ...	29·548	29·600	—·005	SW	172·2	96·4	1st ,,	75·7	6th ,,	91·8	78·4	85·1	+1·6	88·6
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·572	29·598	—·024	SSW & WSW	501·0	92 2	30th June & 4th July	77·5	2nd ,,	88·6	81·0	84 8	+0·6	85·5
	Midnapore	Midnapore ...	29·454	29·603	—·015	SW	91 2	92·3	4th ,,	74·8	3rd ,,	90·2	77·1	83·6	—1·0	85·8
	24-Pergunnahs, Howrah, Hooghly	Calcutta ..	29·564	29·585	—·032	SW	127·0	90·5	1st, 4th ,,	75·7	3rd ,,	88·8	77·5	83 2	—0·4	84·5
	Burdwan	Burdwan ..	29·475	29·574	—·031	Variable	70·4	92·6	1st, 2nd, 3rd 5th & 6th, July	76·0	2nd & 3rd July	92·3	78·5	85 4	+0 2	84·5
	Bankoora	Bankoora ..	29·259	—	—	NW	114·0	93·6	1st ,,	75·1	2nd ,,	90·2	76 9	83·5	—	84·6
	Beerbhoom, West Burdwan	Raneegunge ..	29 241	29·547	—·029	SW	64·4	94·5	4th ,,	75·9	1st & 2nd July	90·8	77·3	84·2	—0·9	83·7
	Moorshedabad	Berhampore ..	29·509	29 575	—·033	Southerly	86 6	91·1	1st ,,	76·8	3rd ,,	89·2	77·7	83 5	—1·7	83·6
	Nuddea	Krishnaghur...	29·533	29 598	—·018	South-westerly	92·3	92·3	6th ,,	75·8	3rd ,,	90·1	77 5	83·8	—0·7	84·8
	Jessore, Khoolna	Jessore ...	29·536	29·590	—·043	SSE	73·8	90·7	5th ,,	76·9	3rd ,,	88·8	78·7	83·8	—0·6	84·7
East Bengal.	Chittagong ...	Chittagong	29·573	29·663	—·032	SE & SSE	141·0	86·1	30th June	75·0	2nd & 4th July	82·5	75·6	79·1	—2·4	80 4
	Chittagong Hill Tracts	Demagiri ...														
	Backergunge	Barrisal ...	29·606	29·618	— 018	SSE	101·2	90·3	6th July	76·8	30th June, 2nd & 4th July	85·7	77·5	81·6	—0·4	81·6
	Noakholly	Noakholly ...	29·592	29·636	—	SSE	135 9	86·0	6th ,,	70·3	2nd & 5th July	84·3	76·8	80·6	—	80·2
	Furreedpore	Furreedpore .	29·573	29·613	—·020	SE	100 0	86 5	30th June 1st, 4th, 5th, 6th July	75·9	2nd ,,	85 9	77·5	81 7	—1 4	82 5
	Dacca	Dacca ...	29·579	29·602	—·033	SSE	134·0	90·1	6th ,,	76·2	3rd ,,	87·4	78 0	82 7	—1·0	83 2
	Commillah	Commillah ..	29·590	29·626	—·020	SE	161·4	88·4	4th, 6th July	76·3	30th June	86 7	76·8	81 8	—0 4	81 1
	Mymensingh	Mymensingh .	29·547	29 604	—·044	SE	143 1	88 3	4th, 5th July	76·6	30th June & 2nd July	86·4	77 7	82 1	—0·2	84·1
North Bengal.	Bogra	Bogra ..	29·516	29·578	—	E	121·3	90 8	5th ,,	76·3	2nd ,,	88·7	77·7	83 2	—0·1	84 6
	Pubna	Serajgunge ..	29·544	29·590	—·039	E & SE	89 4	9[illegible]·1	5th, 6th July	75 7	30th June	87 9	77·2	82 6	—0 6	83 9
	Rajshahye	Rampore Beauleah.	29 510	29·579	+·024	SE	204·0	92·3	6th ,,	76 6	3rd July	90 7	77 7	84 2	+0 1	85 0
	Maldah	Maldah ..	29·490	—	—	E	99 0	95·9	30th June			93·4	78 5	86 0	—	85·2
	Dinagepore	Dinagepore ..	29·477	29·597	—·021	E\E & ESE	153·0	89 6	6th July	76·6	2nd ,,	87·8	78 0	82 7	—1·0	82 7
	Rungpore	Rungpore ..	29·483	29·608	—·069	E	131·0	90 3	5th ,,	76 2	2nd ,,	88·3	77 8	83 1	+0 4	83·4
	Julpigoree, Cooch Behar	Julpigoree ...	29·366	29 653?	—·008?	E	143·0	90·0	6th ,,	74·3	30th June	87 5	77 3	82 4	+0 2	81 9
	Darjeeling Hill Tracts ...	Darjeeling ..	22 893	—	+·006	Calm	111 0	67·1	6th ,,	56·1	30th June, 4th July	64 4	57 4	60·9	—0·9	62 3
North Behar.	Purneah, North Bhagulpore	Purneah ..	29 457	29·553	—·130	E	53·5	92·2	1st ,,	73·6	1st ,,	89 9	73 1	82 5	—2 4	84 5
	Mozufferpore	Mozufferpore														
	Durbhunga	Durbhunga ..	29·403	29 569	—·084	ENE	160·0	91·4	1st & 5th July	77·8	1st ,,	88 7	79·7	84 2	—0·4	84 8
	Chumparun	Motihari ..	29·326	29·557	—·048	ENE	217·6			75·4	30th June	89 7	77·3	83 5	—0 2	83·7
	Sarun	Chupra ..	29·347	29 540	—·046	ESE	113·4	91·5	30th June			87 8	78·7	83 3	—2·5	87·2
South Behar.	Shahabad	Dehree ..	29·187	29·540	—·045	SSW	205 3	95·3	30th ,,	75·0	30th ,,	87·0	77·7	83·4	—0·6	83·8
		Buxar ..	29·293	29·534	—·048	Variable	126·6	93 4	6th July	76·7	2nd July	87·5	78·2	82·9	—1·9	82·5
		Arrah .	29·342	29 537	—·026	Southerly	92·4	94·4	6th ,,	76·6	3rd ,,	90 5	78 9	84 7	+0·1	85 8
	Gya	Gya ...	29·168	29·543	—·040	S	76·1	95 0	6th ,,	71·8	6th ,,	91·4	77·0	84 2	—1·5	87·2
	Patna	Bankipore .,	29·364	29 517	—·044	SE	90·6	96·4	30th June & 6th July	77 2	6th ,,	90 7	79 0	84 8	—1 3	85·9
	South Bhagulpore, Monghyr	Bhagulpore ...	29·395	29·556	—·032	Variable	75 0	95 4	30th June	77·0	1st & 4th July	91·2	78·4	84 8	+0 5	88·7
	Sonthal Pergunnahs ..	Doomka ...	29·069	—	—	Variable	60·5	91·8	5th July	76 8	4th ,,	89·0	77 6	83·3		85·0
Chota Nagpore.	Hazaribagh	Hazaribagh ..	27·582	29·568	—·025	Westerly	248 5	91·0	30th June	71·7	3rd ,,	84·4	73 2	78 8	—1 8	79·8
	Lohardugga, Manbhoom	Ranchee ..	27·466	29 569	—·038	WSW	173·0	88 0	30th ,,	70·9	3rd ,,	88·6	72·5	78·1	—1 5	78·6
	Singhbhoom	Chyebassa ...	29·818	—	—	SSW	65·4	97·0	30th ,,	73·7	3rd ,,	91·5	77·3	84·4		83·9
Assam.	......	Sibsagar ...	29·547	29·692	—·009	SW	72·0	91·1	5th July	75·6	3rd ,,	88 0	77·0	82·5	—1·2	81·2
	......	Dhubri ...	29·808	29·025	—·058	Calm	201·6	88·3	6th ,,	75·8	30th, 1st & 3rd July	84·3	76·2	80·2	—2·8	80·6
	......	Silchar ...	29·546	29·651	—·060	Calm	?	93·3	2nd ,,	72·8	2nd ,,	90·6	77·0	83·3	+0·5	85·7

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period for the last [illegible] years. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the [illegible] means or average of the rainfall in that district [illegible] from the returns sent in by the subdivisional stations for the period in question [illegible] the district sending in returns divided by the number of stations. A rainy day is one on which at least [illegible] of an inch fell.

for the week ending Friday, the 6th of July 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of June. Mean for district.	Since 1st of June. Normal mean.	Since 1st of June. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
83	6·7	6·19	0·40	2·80	3·07	10·68	−7·61	4·80	12·40	−7·60	2·8	3·8	Pooree		Orissa.
74	6·6	0·31	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree	
75	9·7	0·90	—	—	—	—	—	—	—	—	—	—	False Point ...		
69	9·1	0·85	1·81	3·00	3·89	11·97	−8·08	6·16	14·09	−7·93	3·6	3·7	Cuttack ...	Cuttack	
75	6·0	2·40	2·73	2·31	4·69	10·42	−5·73	9·90	13·02	−3·12	3·6	3·7	Balasore ..	Balasore	
83	9·6	1·34	1·54	2·89	2·64	12·37	−9·73	5·61	14·63	−9·02	2·7	4·2	Saugor Island	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
77	4·9	5·83	4·78	2·45	8·87	11·68	−2·81	11·61	13·74	−2·13	5·0	3·5	Midnapore ..	Midnapore	
79	9·7	3·61	4·97	2·37	11·43	11·97	−0·54	14·80	14·61	+0·19	5·7	4·5	Calcutta ...	24-Pergunnahs ...; Howrah ... ...; Hooghly	
79	8·9	7·94	6·57	2·01	13·18	10·65	+2·53	14·79	13·27	+1·52	5·0	3·3	Burdwan ..	Burdwan	
84	7·3	6·56	7·80	2·46	12·54	11·99	+0·55	15·02	14·01	+1·01	6·3	4·3	Bankoora ..	Bankoora	
84	8·3	11·60	5·31	2·16	10·60	11·82	−1·22	12·34	13·80	−1·46	5·8	4·3	Raneegunge ..	Beerbhoom ... ...; West Burdwan ...	
86	9·7	2·58	4·40	2·70	9·69	11·91	−2·22	11·69	15·02	−3·33	6·5	4·3	Berhampore	Moorshedabad	
81	8·6	5·39	5·21	2·40	9·[illegible]0	12·01	−2·81	11·13	15·51	−4·38	5·6	4·0	Krishnaghur ...	Nuddea	
88	8·9	8·22	4·50	2·46	10·46	14·53	−4·07	11·56	17·81	−6·25	5·6	4·3	Jessore ...	Jessore ... ...; Khoolna	
90	8·3	7·60		5·82		34·69			39·97			5·6	Chittagong ...	Chittagong	East Bengal.
				3·25		23·04			27·13			5·6	Demagiri ...	Chittagong Hill Tracts	
91	9·3	7·98	7·31	4·27	12·78	23·03	−10·25	14·23	26·92	−12·69	6·5	5·3	Barrisal ...	Backergunge	
93	9·4	10·09	8·24	4·58	16·15	31·45	−15·30	21·17	36·20	−15·03	7·0	5·6	Noakholly ...	Noakhloly	
89	6·3	4·58	4·38	2·42	11·68	14·78	−3·10	14·57	19·11	−4·54	4·7	4·1	Furreedpore ...	Furreedpore	
88	7·9	2·63	4·51	2·58	14·5	15·37	−1·33	8·31	19·31	−1·00	5·0	4·7	Dacca ...	Dacca	
88	7·4	4·49	3·95	2·57	13·74	18·85	−5·11	20·97	23·17	−2·20	5·3	4·7	Commillah ...	Commillah	
83	6·6	3·56	4·56	2·68	16·09	19·35	−3·26	29·68	23·90	+5·78	5·8	4·5	Mymensingh ...	Mymensingh	
83	9·0	1·85	2·78	3·00	8·17	15·53	−7·36	17·27	19·97	−2·70	5·0	4·4	Bogra ...	Bogra	North Bengal.
85	6·6	2·67	5·10	2·53	9·67	13·50	−3·83	16·14	17·31	−1·17	6·0	4·0	Serajgunge ..	Pubna	
83	5·3	6·37	2·09	3·19	5·54	12·89	−7·35	8·40	16·24	−7·84	4·5	4·3	Rampore Beauleah	Rajshahye	
81	6·1	3·82	2·38	3·06	3·84	14·57	−10·73	6·30	17·39	−11·09	4·0	4·6	Maldah .	Maldah	
86	8·1	3·48	3·35	3·62	8·51	17·23	−8·72	16·12	21·51	−5·39	4·6	5·0	Dinagepore ..	Dinagepore	
86	2·9	2·90	3·47	3·94	20·28	24·62	−4·34	29·60	32·02	−2·43	4·5	4·1	Rungpore ...	Rungpore	
89	8·3	2·42	4·16	6·11	34·59	35·97	−1·38	41·07	45·08	−3·91	5·2	5·3	Julpigoree ...	Julpigoree ... ...; Cooch Behar	
96	9·7	12·54	11·58	9·74	30·26	38·08	−7·82	35·04	45·08	−10·04	6·5	6·3	Darjeeling .	Darjeeling Hill Tracts	
85	3·7	3·85	4·02	3·97	9·01	15·25	−6·24	14·68	18·36	−3·68	5·6	4·5	Purneah ..	Purneah ... ...; North Bhagulpore ...	North Behar.
			2·94	3·12	12·34	10·41	+1·93	13·66	11·82	+1·84	6·0	3·6	Mozufferpore ..	Mozufferpore	
81	7·1	2·74	6·37	3·33	11·41	11·21	+0·20	14·25	12·67	+1·58	5·7	3·4	Durbhunga ...	Durbhunga	
80	7·7	6·07	3·12	3·35	11·02	11·11	−0·09	13·56	12·46	+1·10	6·0	3·6	Motihari .	Chumparun	
75	7·6	6·58	4·86	2·94	7·16	9·33	−2·17	8·08	10·43	−2·35	5·7	3·5	Chupra ...	Sarun	
85	7·1	6·19											Dehree ...		South Behar.
84	9·4	3·96	3·57	2·26	4·68	6·92	−2·24	5·24	7·84	−2·60	4·8	3·6	Buxar ...	Shahabad	
78	6·9	3·40											Arrah ...		
72	8·4	2·66	3·46	2·71	5·55	8·01	−2·46	5·93	9·38	−3·45	5·0	3·7	Gya ...	Gya	
78	9·6	5·32	5·18	2·90	6·23	8·88	−2·65	7·33	10·31	−2·98	5·3	4·1	Bankipore ...	Patna	
76	4·3	4·30	3·34	2·77	5·37	9·44	−4·07	7·29	11·06	−3·77	5·4	4·0	Bhagulpore ...	South Bhagulpore ...; Monghyr	
77	3·6	3·39	4·63	2·96	8·36	11·56	−3·20	10·23	14·00	−3·77	6·3	4·4	Doomka ...	Sonthal Pergunnahs...	
82	10·0	6·94	6·65	3·01	7·57	11·00	−3·43	7·87	12·67	−4·80	5·6	4·4	Hazaribagh ...	Hazaribagh	Chota Nagpore.
80	8·9	6·90	5·30	2·39	8·20	9·95	−1·75	9·21	11·96	−2·75	6·7	4·4	Ranchi ...	Lohardugga	
			3·58	2·34	6·55	10·27	−3·72	7·72	11·93	−4·21	5·6	4·4		Manbhoom	
78	9·3	3·06	3·06	2·04	5·50	10·21	−4·71	7·57	12·78	−5·21	6·0	4·5	Chyebassa ...	Singbhoom	
91	10·6	5·74											Sibsagar	......	Assam.
89	8·6	4·51											Dhubri	......	
78	8·9	5·55											Silchar	... ..	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
[illegible] cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean [illegible]. The means of the districts are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the sub-divisions

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 6th of July 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 30th June.	Sunday, 1st July.	Monday, 2nd July.	Tuesday, 3rd July.	Wednesday, 4th July.	Thursday, 5th July.	Friday, 6th July.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of June.	Average total rainfall from 1st of June.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	0·01	0·23	......	......	......	......	......	2	0·24	2·36	9·56	6·48	11·98
		Khurdah ...	0·12	0·11	......	......	0·10	......	0·15	4	0·48	4·01	11·52	5·34	13·33
		Banpur ...	......	0·14	......	......	......	0·10	......				10·07		10·98
		False Point ...	......	0·55	0·04	......	......	......	0·01	3	0·60	3·21	11·59	4·44	13·99
		Gop ...	0·60										?		?
		Pipli ..											?		?
	Cuttack .	Jagatsingpore	0·07	0·54	0·01	......	0·21	1·91	0·72	6	3·46	8·29	9·08	9·20	10·50
		Banki ...	0·03	0·88	......	......	......	......	0·87	3	1·72	2·73	13·41	5·85	15·21
		Cuttack ...	......	0·69	......	0·05	0·06	......	......	3	0·80	3·37	13·72	6·67	16·53
		Kendrapara ...	0·65	1·10	0·12	......	......	......	......	3	1·87	3·64	10·95	6·62	12·97
		Jajpore ...	0·40	0·40	0·40	......	......	......	......	3	1·20	1·45	12·70	5·10	15·28
		Dharmsalla ..	0·12										?		?
		Salipore ..											?		?
	Balasore ..	Chandbali ...	......	1·20	0·30	......	......	......	......	2	1·50	2·11	9·56	5·01	11·98
		Bhuddruck ...	1·69	0·37	0·09	0·12	......	0·36	......	5	2·63	3·51	10·86	8·74	13·93
		Sorah ...	0·32	......	0·21	......	......	......	......	2	0·53	3·93	8·67	8·62	11·74
		Balasore ..	0·24	0·25	0·23	......	......	0·03	1·08	5	2·48	3·50	10·96	8·90	13·57
		Jellasore ..	1·70	1·20	0·18	......	0·80	......	0·30	5	4·18	6·37	9·77	13·63	12·46
		Baripodah ...	0·41	1·02	......	......	0·65	2·96	......	4	5·01	8·04	13·80	14·44	14·53
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	......	0·24	1·05	......	......	......	0·04	3	1·32	2·25	12·22	6·03	14·31
		Saugor Island	......	0·48	0·76	......	......	......	0·10	3	1·34	2·43	12·03	6·21	15·08
		Tumlook ...	......	1·10	1·50	0·30	......	......	0·33	3	2·90	7·10	10·08	10·06	13·99
		Midnapore ...	0·26	3·12	1·58	0·44	0·73	1·16	0·05	6	6·46	9·82	11·32	12·32	13·30
		Ghattal ...	0·77	1·31	1·41	0·29	......	......	0·25	6	4·99	10·50	13·01	13·91	14·52
		Kukrahaty ...	......	0·61	1·57	0·6	......	......	0·1	4	2·49	5·08	?	7·40	?
		Heria ...	......	0·76	0·96	......	......	......		3	1·87	2·78	?	8·23	?
		Bhagwanpore	0·18	0·31	2·5								?		?
		Garbeta ...	0·42	5·40	2·28	0·32	0·17	0·92	0·68	7	10·19	15·43	?	10·73	?
	24-Pergunnahs	Diamond Harbour ..	......	......	1·75	......	......	......	0·21	2	1·96	3·24	12·29	5·43	14·50
		Canning Town	......	1·85	0·17	0·73	0·14	0·23	0·77	6	3·89	7·68		9·79	?
		Alipore Jail .	......	0·31	0·91	1·07	0·08	1·16	0·08	6	3·61	6·91	12·53	10·42	14·26
		Barrackpore...	......	1·20	1·75	1·00	0·24	0·44	0·12	6	4·75	10·92	12·81	14·70	14·53
		Dum-Dum ...	......	0·42	2·10	1·04	0·11	0·28	0·14	6	4·15	7·44	12·07	12·71	14·92
		Baraset ..	......	2·5	1·95	1·18	0·31	0·19	0·30	6	6·47	16·18	11·58	18·54	14·36
		Buseerhat ...	0·10	0·69	1·?0	0·70	0·32	0·07	0·04	7	4·01	12·29	12·79	14·01	16·56
	Howrah ..	Howrah .	......	0·33	1·58	0·60	0·07	0·75	0·03	6	3·43	8·01	12·35	12·88	14·56
		Mohesreka ... (*Ooloberiah.*)	......	1·61	1·67	0·87	1·21	0·2	......	5	5·62	9·20	11·46	12·45	14·04
	Hooghly ...	Serampore ...	......	1·32	1·80	0·52	0·26	0·36	......	5	4·26	10·06	11·69	13·71	13·79
		Hooghly ...	......	2·37	2·24	......	0·59	0·5	0·20	5	5·95	18·04	11·09	20·77	13·75
		Jehanabad ..	......	2·20	3·27	0·24	......	1·05	0·62	5	7·38	15·18	11·79	17·84	14·56
	Burdwan ...	Culna ..	0·07	2·83	2·79	0·06	......	0·06	......	5	5·81	12·91	10·37	14·06	12·59
		Burdwan ...	0·45	4·5	1·51	0·16	......	1·67	......	5	7·94	12·24	10·13	14·08	12·94
		Cutwa ...	......	1·18	1·12	1·40	......	1·05	0·30	5	5·95	15·21	11·43	16·01	14·26
		Raneegunge ..	4·19	1·2	3·31	2·70	......	0·13	0·82	6	12·43	17·50	9·43	18·34	11·45
		Mankur ...		3·71	4·96	0·8	......	0·71	1·12	5	10·63	12·90	?	14·55	?
	Bankoora ...	Bankoora ...	2·15	1·75	1·80	0·50	......	0·07	0·09	6	6·36	12·70	11·53	15·16	13·78
		Bishenpore ...	......	0·67	0·81	1·54	0·11	1·59	0·18	6	5·00	9·50	12·1	11·28	14·41
		Mahara ..	2·32	1·34	3·21	1·18	......	0·57	0·42	6	9·02	14·04	11·24	16·27	13·04
		Khatra ...	1·75	2·44	2·62	0·66	0·31	0·24	0·82	7	8·84	13·03	12·07	17·38	14·71
		Indas ...	0·39	1·29	4·00	0·32	0·15	0·20	0·03	7	6·38	11·05	?	15·85	?
		Kotalpore ...	......	2·14	1·10	......	......	0·24	0·34	4	4·32	9·71	?	11·74	?
		Anda ..	1·00	2·72	0·45	......	......	0·40	0·30	5	4·87	7·74	?	7·99	?
		Gangajalghati	2·06	0·75	3·88	1·32	......	0·71	......	5	8·72	11·57	?	16·07	?
		Raipore ...	2·59	1·12	2·91	......	0·15	1·95	0·23	6	8·96	11·91	?	14·71	?
		Sonamukhi ...	0·83	1·53	2·36	0·11	......	1·50	0·52	6	6·65	10·63	?	13·05	?
	Beerbhoom	Bh. Soory ..	......	1·05	1·03	0·1	0·01	0·08	0·04	6	2·53	5·52	12·26	10·14	14·46
		Hetampore ..	0·28	0·14	0·78	0·28	......	1·71	0·14	6	3·33	7·98	13·14	9·6	14·84
		Rampore Haut	0·28	0·83	1·15	0·28	......	0·41	......	5	2·95	9·59	12·80	12·25	14·38
		Bolpore	1·75	1·40	2·07	......	......	0·3	0·12	5	5·96	10·45	?	11·73	?
		Murarai ...	......	0·80	0·30	0·6	......	1·60	0·44	5	3·70	?	?	?	?
	Nuddea ...	Ranaghat .	0·05	2·41	3·54	0·32	0·10	......	......	5	6·44	11·63	11·60	17·86	14·44
		Kishnaghur ...	0·01	1·50	1·58	......	0·01	0·02	......	5	3·76	11·17	11·13	12·07	13·83
		Chooadanga	0·98	0·49	2·00	0·12	0·25	......	1·12	6	4·88	7·79	11·55	10·16	16·07
		Meherpore ...	0·41	2·25	1·52	0·12	0·60	0·50	0·05	7	5·43	8·92	11·89	12·59	16·08
		Kooshtea .	......	2·22	0·87	0·94	1·05	......	0·52	5	5·58	6·50	13·96	8·11	18·11
	Khoolna ..	Satkhira .	0·30	......	0·36	0·60	1·00	0·05	0·08	6	2·33	6·99	15·24	7·20	18·20
		Bagirhat ...	1·20	0·50	......	1·02	0·70	0·30	2·70	6	6·63	12·31	17·05	13·12	20·38
		Khoolna ..	0·51	......	1·35	2·07	0·02	0·75	0·97	6	5·67	10·12	15·14	11·30	17·98
	Jessore ..	Narail .	0·53	0·15	1·07	0·17	0·16	0·44	0·60	7	3·20	6·01	12·72	8·14	15·65
		Jessore ...	1·51	0·04	1·89	1·51	2·45	0·17	0·23	7	7·80	16·09	15·79	17·93	18·27
		Jhenidah ...	0·39	2·61	1·04	0·07	......	......	......	4	4·74	11·61	14·77	12·81	18·82
		Magoorah ...	0·99	0·13	1·34	1·11	......	0·04	0·16	6	3·77	12·40	13·68	13·85	17·75
		Bongong ...	......	......	0·95	0·75	0·20	......	......	3	1·90	6·32	12·66	7·21	15·93
	Moorshedabad	Kandi .	0·50	3·05	0·46	0·65	......	0·32	0·16	6	5·14	11·76	12·10	18·52	14·69
		Berhampore ..	......	......	0·33	0·64	1·61	......	1·42	4	4·00	8·22	11·82	10·32	14·95
		Lalbagh ...	......	0·06	0·78	0·79	0·05	0·41	2·09	6	4·78	9·80	11·60	11·47	14·90
		Azimgunge ...	......	1·45	0·45	1·18	0·30	0·63	0·22	6	4·25	14·48	11·03	13·46	14·99
		Jungipore .	0·62	0·50	0·96	0·47	0·01	1·53	0·03	7	4·16	7·91	11·39	10·79	14·40
		Lalgola ...	......	0·90	0·45	0·40							12·77		16·09
		Akhrigunj ...	......	1·25	0·31	0·28	0·04	0·05	0·46	6	2·30	8·93	?	10·88	?
		Patkabari ..	2·70	2·41	1·06	......	0·15	0·25	0·05	6	6·66	11·05	?	16·50	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	1·08	3·93	1·51	2·17	4·72	3·45	3·12	7	19·98	32·20	41·10	40·65	46·58
		Chittagong ...	1·14	1·73	0·76	0·83	1·96	0·59					28·27		33·31
		Kutubdia ...	3·77	1·17	4·65								?		?
		Sitakunda ...	1·35	2·16	1·17	0·77	1·89						?		?
	Chittagong Hill Tracts.	Rangamati ...	1·04	0·60	0·04	0·43	0·24	0·63	0·13	7	3·09	10·65	22·7	16·38	26·74
		Rumma ...	0·10										25·78		27·49
	Backergunge	Patuakhally ..	1·25	0·75	1·15	0·70	0·05	0·55	2·47	7	7·52	13·24	26·48	15·15	30·94
		Perozepore ..	0·63	0·35	1·78	......	0·20	0·55	4·51	7	8·31	16·09	21·39	18·00	23·66
		Burrisal ..	1·51	0·66	2·10	0·96	0·08	......	2·47	6	7·75	12·72	19·49	14·01	23·67
		Bhola ..	2·02	0·67	1·42	0·14	0·16	......	1·19	6	5·62	9·52	25·55	19·91	29·38

Statement of Rainfall in Bengal for the week ending Friday (8 p.m.), the 6th of July 1888—concld.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 30th June.	Sunday, 1st July.	Monday, 2nd July.	Tuesday, 3rd July.	Wednesday, 4th July.	Thursday, 5th July.	Friday, 6th July.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of June.	Average total rainfall from 1st of June.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—concld.		*Gournaddi*	0·21	1·34	1·10	0·75	0·19	0·77	1·91	7	6·27	13·05	?	15·65	?
		Baraphal	1·65	1·12	3·62	1·13	0·62	0·08	1·50	7	9·73	14·94	?	16·01	?
	Noakholly	Noakholly	1·92	3·93	1·39	0·43	0·36	0·24	2·65	7	10·02	17·99	30·32	23·49	35·00
		Fenny	1·04	0·33	2·42	0·06	0·08	0·43	1·50	7	6·45	14·41	32·56	18·55	37·37
		Harishpore	1·63	3·38	1·34	0·75	1·31						?		?
		Ramganj	3·23	1·27	1·17	0·56	1·66	0·26					?		?
	Furreedpore	Madaripore	0·75	1·10	0·90	0·58	......	0·48	......	5	4·11	11·03	15·32	12·87	19·58
		Furreedpore	...	1·58	1·86	0·51	0·01	......	0·05	5	4·01	11·73	15·00	14·51	20·07
		Goalundo	0·29	0·96	3·05	0·73	......	......	......	4	5·01	12·05	13·97	16·23	17·49
	Dacca	Munshigunge	2·16	3·23	0·33	0·46	......	......	......	4	6·23	17·73	18·63	20·27	23·14
		Dacca	0·06	1·41	0·33	0·21	......	......	0·04	5	2·07	9·81	15·44	14·23	19·66
		Narainganj	0·86	3·22	0·44	0·90	0·62	......	0·31	6	6·38	16·09	15·73	22·31	18·70
		Manickgunge	0·05	0·49	2·24	0·56	0·01	......	......	5	3·35	9·50	11·63	14·59	15·63
		Joydebpore	0·77	0·37	0·71	0·16	0·18	0·02	0·14	7	2·35	13·08	?	21·31	?
	Hill Tipperah	Agartola	0·47	0·20	0·25	0·46	......	0·37	0·11	6	1·86	12·91	16·50	24·53	20·86
	Tipperah	Comilla	1·70	0·61	1·03	0·63	......	......	0·36	5	4·31	8·34	21·73	15·31	20·24
		Chandpore	......	1·50	1·55	2·50	......	......	0·30	4	5·85	15·55	20·69	17·00	24·24
		Brahmunberia	0·67	1·34	0·43	0·80	......	0·13	0·10	6	3·73	10·93	16·50	30·71	21·36
		Ramchandrapore	2·19	3·14	0·37	......	0·41	0·47	0·71	6	7·29	15·19	?	21·58	?
		Nasirnagar	......	0·80	......	......	......	......	......	1	0·80	9·29	?	22·53	?
		Daudkandi	1·54	3·94									?		?
		Kasba	2·20	0·26	0·63	1·60	0·12	0·[illegible]	......	6	4·99	18·93	?	25·00	?
		Laksham	2·05	1·10	1·60	0·25	0·05	......	......	5	5·05	9·91	?	14·42	?
	Mymensingh	Kishoreganj	0·95	2·32	1·63	0·19	0·09	......	......	5	5·08	23·31	21·24	41·12	26·13
		Atia (*Tangail*)	0·13	0·76	1·11	1·15	0·11	......	0·[illegible]2	6	3·78	9·94	14·75	14·09	18·31
		Mymensingh	0·65	0·52	0·61	0·30	0·06	0·12	0·06	7	2·02	11·96	21·56	29·95	27·79
		Jamalpore	......	0·42	0·82	1·39	......	0·13	0·23	5	3·13	14·74	17·06	27·76	21·24
		Netrokona	1·40	1·84	1·20	0·12	2·72	......	0·26	6	7·54	22·00	21·33	38·03	29·33
		Subornakhally	0·25	0·28	1·62	1·43	0·30	......	0·40	6	4·28	14·07	?	25·99	?
		Durgapore	1·00	3·90	0·36	2·00	......	0·30					?		?
		Dewangunj	0·19	0·50	0·36	1·59	......	......	......	4	2·64	11·10	?	23·52	?
NORTH BENGAL.	Pubna	Pubna	2·51	0·79	0·64	0·21	1·67	0·45	0·47	7	6·74	10·10	23·70	12·91	17·36
		Serajgunge	0·24	0·10	1·71	1·30	......	......	0·10	5	3·45	8·92	13·28	19·56	17·23
	Bogra	Shernpore	0·75	0·15	1·21	0·10	......	0·05	......	5	2·20	4·09	15·18	11·91	19·70
		Nowkhilla	0·70	1·32	0·40	0·44	......	......	0·50	5	3·36	12·73	14·93	21·91	18·74
		Bogra	0·28	0·55	0·83	0·27	0·08	......	0·16	6	2·16	7·59	17·27	16·93	22·13
		Panchbibi	0·50	0·49	0·43	1·62	......	......	......	4	3·04	8·15	14·68	18·32	19·29
	Rajshahye	Beauleah	......	0·05	0·13	0·34	0·09	......	0·05	5	0·66	3·24	13·37	4·75	15·48
		Nattore	0·80	......	0·17	2·40	0·15	......	......	4	3·52	7·53	15·40	12·03	16·97
		Naogaon	1·07	0·02	0·35	0·80	0·07	0·05	......	6	2·36	5·87	?	9·04	?
		Lalpore	0·85	0·64	0·48	0·44	......	......	0·10	5	2·51	5·62	?	8·03	?
		Manda	......	0·70	0·21	0·70	0·15	......	......	4	1·85	3·44	?	6·73	?
	Maldah	Maldah	......	0·15	2·58	0·95	0·05	......	0·09	5	3·82	5·21	23·08	6·44	16·19
		Chanchal		0·2[illegible]		0·59	0·12			3	0·93	2·43	15·45	6·12	18·33
		Gajol	0·50	0·50		1·00	0·30	0·10		5	2·40	3·81	?	6·99	?
		Sibganj	0·07	1·62	0·32	0·41	0·15	0·41	0·05	[illegible]	3·03	6·47	?	8·77	?
	Dinagepore	Mohadebpore	......	1·50	0·70	......	0·41	......	0·18	4	2·79	6·51	15·61	9·07	10·74
		Churamon	......	0·35	0·19	1·71	......	0·29	0·01	5	2·55	5·15	15·33	9·22	19·29
		Raigunge	......	3·76	0·28	0·61	......	0·49	......	4	5·14	11·22	18·60	17·82	22·45
		Dinagepore	......	1·55	1·00	0·98	......	......	0·08	4	3·61	11·47	13·65	20·11	24·63
		Balooghat	......	0·[illegible]6	1·31	0·29	0·21	0·06	0·05	6	2·88	8·22	16·30	17·42	21·13
		Thakoorgoan	0·35	0·63	0·14	0·47				4	2·09	?	?	?	?
	Rungpore	Bhawanigunge (*Gyabanda*)	......	1·19	1·36	0·42	......	......	......	3	2·97	13·47	18·25	23·74	23·70
		Rungpore	0·27	0·16	1·39	0·69	......	0·63	......	5	3·13	14·51	21·42	24·76	30·37
		Kurigram	0·42	1·35	1·93	1·77	......	......	......	4	5·47	35·23	26·40	42·89	34·81
		Bagdogra (*Nilphamari*)	0·15	0·21	0·40	1·35	......	0·11	0·20	6	2·41	17·58	30·40	23·09	30·20
		Ulipore	3·43	0·93	0·75	2·25	......	......	......	4	7·34	22·17	?	20·59	?
	Julpigoree	Julpigoree	0·38	0·14	......	1·36	......	......	1·00	4	2·88	32·23	35·56	35·45	43·[illegible]
		Alipore Doar	0·47	0·53	......	2·32	......	......	......	3	3·32	35·91	?	40·13	?
		Fallacotta	0·30	0·36	......	1·57	0·51	......	0·06	5	2·80	[illegible]	?	30·28	?
		Debigunj	0·12	0·94	0·04	1·11	0·03	0·02	0·05	7	2·[illegible]1	27·44	?	34·65	?
		Dinhatta	0·19	1·16	0·39	2·78	......	......	0·60	5	5·31	41·70	30·70	48·03	41·[illegible]
	Cooch Behar	Cooch Behar	0·25	1·45	0·25	4·46	......	0·28	0·08	6	6·77	34·61	42·43	48·80	51·39
		Mekligunge	0·15	0·31	0·14	1·01	......	0·06	0·25	6	2·32	27·50	33·93	30·51	42·03
		Matabhanga	0·10	1·17	0·07	2·04	......	......	0·05	5	3·43	31·92	38·18	35·61	47·73
	Darjeeling Hill.	Buxa	4·93	0·35	0·19	3·00	0·89	7·86	1·54	7	18·76	56·48	57·98	65·01	71·66
		Silliguri	1·82	0·07	0·26	1·95	......	2·33	2·05	6	7·88	30·31	37·63	35·10	44·45
		Darjeeling	1·18	2·18	2·03	4·78	0·28	0·41	0·78	7	12·33	19·58	31·01	23·21	33·43
		Kalimpong	0·59	0·94	0·63	2·16	......	0·40	2·74	6	7·44	11·53	25·04	16·69	25·05
NORTH BEHAR	Purneah	Kissengunge	0·83	0·12	1·07	1·00	0·16	......	0·45	6	3·63	10·54	20·73	18·73	24·93
		Arrareah	0·45	1·75	1·06	0·50	0·58	......	0·14	6	4·48	11·55	17·02	17·93	21·[illegible]
		Purneah	......	0·44	0·99	2·31	0·10	0·04	1·05	6	4·93	6·61	14·04	13·82	17·69
		Gondwara											?		?
		Balarampore	......	1·20	0·80								?		?
		Matiari	0·50		1·88	1·15									
		Kaliaganj	1·00	0·58	0·06	2·04	0·12	......	1·06	6	4·86	20·43	?	21·37	?
	North Bhagulpore.	Maudhepore	......	0·24	1·05	1·41	0·35	......	......	4	3·05	6·13	11·03	14·11	14·13
		Soopool	......	1·30	0·85	1·42	0·28	0·15	0·08	6	4·03	7·24	12·41	13·20	14·53
		Protabganj	......	1·13	0·21	2·77	......	......	0·23	4	4·34	11·44		12·82	?
	Durbhunga	Tajpore	1·54	......	0·84	1·70	0·71	0·74	0·65	6	6·18	10·11	10·75	11·01	1[illegible]
		Durbhunga	0·09	1·49	0·41	0·66	......	......	0·45	5	3·10	9·40	11·33	12·73	14·40
		Madhubani	1·16	6·77	0·67	1·18	0·01	0·03	......	6	9·82	14·70	11·54	18·[illegible]	13·11
		Bahera	2·50	4·10	0·70	1·70	......	......	......	4	9·00	1[illegible]·18	?	10·24	?
		Roserah	......	......	1·00	1·10	0·40	......	0·20	4	2·70	5·24	?	7·04	?
	Mozufferpore	Sitamarhi	1·87	5·18	1·05	0·30	......	0·35	2·00	6	10·75	14·31	11·21	16·61	13·08
		Mozufferpore	3·55	0·12	0·82	4·85	0·34	0·62	0·1[illegible]	7	10·[illegible]	1[illegible]·88	10·75	16·02	12·43
		Hajipore	0·90	......	0·58	1·33	0·68	......	2·14	5	5·63	7·81	9·31	9·11	11·54
		Paru	1·83	0·17	......	1·50	0·50	......	......	4	4·00	6·43	?	8·03	?
		Manua	0·25	0·38	1·62	1·44	0·30	......	0·10	6	4·29	5·03	?	5·86	?
		Sidhar	0·87	1·10	0·10	0·22	0·17	0·23	0·07	7	2·76	5·58	?	8·52	?
		Pupri	1·70	3·90	1·10	0·43	......	0·63	......	5	7·76	10·58	?	14·38	?
	Chumparun	Motihari	2·80	0·37	0·15	0·60	......	1·65	0·78	6	6·35	10·49	10·64	13·23	12·09
		Bettiah	1·33	0·49	0·51	0·50	......	2·32	0·[illegible]1	6	5·68	11·52	11·[illegible]	11·73	12·50
		Bagaha	2·86	0·14	2·02	0·14	0·18	0·38	0·05	7	5·77	15·50	?	17·83	?
		Burhurwa	1·30	0·88	1·07	0·99	0·13	0·32	0·09	7	4·80	9·85	?	11·72	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 6th of July 1888—*concld.*

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 30th June.	Sunday, 1st July.	Monday, 2nd July.	Tuesday, 3rd July.	Wednesday, 4th July.	Thursday, 5th July.	Friday, 6th July.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of June.	Average total rainfall from 1st of June.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR —*concluded.*	Sarun	Gopalgunge ...	1·00	0·09	0·33	1·79	0·95	0·07	......	6	4·23	7·01	10·10	8·82	11·33
		Sewan ...	0·71	0·16	1·54	0·55	...	......	0·83	5	3·79	6·12	9·51	6·62	10·68
		Chuprah .	0·90	0·02	0·63	1·55	0·06	......	3·41	6	6·57	7·70	8·39	8·82	9·37
SOUTH BEHAR	Shahabad	Buxar .	1·25	0·18	1·77	0·19	0·22	0·02	0·01	7	3·64	4·91	6·79	5·78	7·46
		Dehree ..	0·10	3·55	0·45	0·40	...	0·35	0·03	6	4·88	6·52	5·06	7·15	7·19
		Bhuboosh ...	......	......	2·30	0·40	0·15	......	......	3	2·85	4·22	7·24	4·72	7·83
		Sasseram ..	0·20	1·85	0·62	0·40	......	......	......	4	3·07	3·59	6·72	3·82	7·41
		Arrah .	...	0·40	1·80	1·05	...	......	0·15	4	3·40	4·17	8·21	4·72	9·38
		Mohania ...	0·60	......	1·50	0·80	......	......	......	3	3·20	5·80	?	5·80	?
	Gya ..	Aurungabad..	0·59	1·70	1·95	0·28	......	0·46	......	5	5·02	6·08	8·18	7·56	9·48
		Gya ...	...	1·25	0·27	0·44	...	......	0·72	4	2·68	5·72	8·28	5·05	9·69
		Nowadah ...	0·81	0·12	0·28	0·52	0·04	0·06	0·26	7	2·09	3·05	8·29	3·14	9·76
		Jehanabad ...	......	0·60	1·05	0·29	...	......	2·11	4	4·05	6·76	7·23	7·03	8·53
		Arwal ...	0·26	2·17	1·03	0·19	......	......	0·90	5	4·55	5·84	?	6·56	?
		Daudnagar ..	0·50	0·67	0·63	0·50	0·30	...	0·57	6	3·17	3·37	?	3·37	?
		Sherrghati ...	......	0·30	1·92	......	...	0·40	0·20	4	3·02	3·22	?	3·22	?
		Rajauli ...											?		?
		Pakri Barawan	0·30	......	0·50	1·50	......	......	0·03	4	2·33	2·83	?	3·33	?
	Patna ...	Patna ..	1·10	0·40	0·63	1·02	1·18	......	0·85	6	5·21	6·94	9·45	7·73	11·04
		Dinapore ...	1·40	......	1·42	1·30	0·24	......	0·80	5	5·16	8·37	8·93	9·32	10·17
		Behar ...	...	...	2·56	0·50	0·87	......	2·81	4	0·74	7·32	8·91	8·81	10·40
		Barra ...	0·20	0·10	0·10	1·95	0·60	......	0·65	6	3·60	4·70	8·19	6·0[illegible]	9·63
		Bickram ...	......	2·40	0·50	0·15	......	......	1·20	4	4·55	6·55	?	7·05	?
		Hilsa ...	0·11	0·07	2·55	0·18	1·41	......	0·63	6	5·00	7·18	?	8·09	?
	Monghyr	Begooserai ...	1·03	0·09	0·63	0·45	...	0·29	0·77	6	3·26	4·38	9·28	5·48	10·75
		Monghyr ..	......	0·38	1·10	1·29	...	1·20	0·05	5	4·02	5·26	9·37	8·23	11·06
		Jamui ...	0·08	0·28	0·63	0·72	0·09	0·91	......	6	2·71	6·25	8·91	7·19	10·31
		Gogri ...	1·20	2·80	0·80	0·60	...	0·35	......	5	5·75	7·07	?	10·07	?
		Sheikpura ...	0·30	......	1·40	2·30	0·50	......	0·80	5	5·30	7·94	?	9·24	?
	South Bhagulpore	Bhagulpore ...	......	2·86	1·19	0·32	0·17	......	0·24	5	4·58	6·50	9·67	10·58	11·31
		Banka ...	0·21	0·30	1·04	0·30	......	......	0·29	5	2·14	4·42	9·98	5·01	11·83
		Kolgong ..	1·60	......	1·13	0·36	0·62	......	......	4	3·71	6·91	?	10·79	?
	Sonthal Pergunnahs	Rajmehal ...	......	0·81	0·25	0·43	1·00	0·67	......	5	3·16	5·66	13·54	7·83	16·47
		Godda ...	1·16	0·40	0·50	0·75	0·66	1·41	0·26	7	5·14	9·07	9·07	11·71	11·48
		Pakour ...	0·09	0·85	0·45	0·35	0·52	0·95	0·02	7	4·13	8·82	13·44	10·74	16·51
		Nya Doomka	0·62	0·55	0·43	0·37	1·29	0·13	0·54	7	3·93	7·80	11·40	8·54	13·68
		Deoghur .	1·00	1·27	0·80	0·54	0·11	0·87	0·86	7	5·45	8·66	11·30	9·86	13·23
		Jamtara ..	1·24	0·09	1·23	0·19	......	1·56	0·68	6	5·88	10·13	10·61	12·07	12·59
		Mahagama ...	0·13	3·15	0·65	1·11	......	0·35	......	5	4·39	6·74	?	?	?
		Nunihat ...	0·18	......	......	0·65	......	......	0·85	3	1·68	7·00	?	7·38	?
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*).	0·21	0·11	2·32	0·17	......	0·01	......	5	2·82	4·61	10·28	7·38	11·85
		Hazaribagh ...	......	1·80	3·65	0·36	0·28	0·07	1·76	6	7·92	9·54	10·18	10·27	11·71
		Semtagurah .	0·14	1·86	1·56	0·25	......	0·70	0·52	6	5·03	5·61	10·96	6·03	12·59
		Mahudi Hills											9·65		11·25
		Juoomrah Hills											13·85		15·90
		Barhi ...	0·12	6·40	0·26	0·40	......	......	1·00	5	8·18	1·74	?	9·79	?
		Chatra ...	......	2·76	4·95	0·22	0·24	0·55	0·60	6	9·32	12·01	?	12·08	?
		Kurugdeha ...	0·90	1·30	3·00	·1	0·60						?		?
		Ramghur ...	1·18	0·59	2·95	0·55	......	0·22	0·18	6	5·47	7·04	?	8·39	?
	Lohardugga ...	Lohardugga ...	0·11	1·14	2·50	0·34	0·04	0·26	0·17	7	4·76	7·52	10·87	8·60	13·65
		Ranchi ...	0·42	0·52	2·52	0·35	0·33	......	0·96	6	4·90	7·53	11·05	9·25	13·05
		Palamow ...	0·20	0·13	3·50	2·07	0·02	0·04	0·28	7	6·24	9·52	8·14	9·75	9·19
		Silli ...		0·08	2·60								?		?
		Balumat ...											?		?
		Hossenabad...	......	......	0·08		0·01						?		?
		Garwah ...	......	3·13	2·9	......	0·28						?		?
	Singbhoom	Chyebassa .	0·60	0·36	1·03	0·46	......	0·28	0·33	6	3·06	5·50	10·21	7·57	12·78
		Chakradharpore.	......	0·59	2·08	......	......	......	1·87	3	5·14	8·23	?	9·81	?
		Ghatsilla ...	......	·270	1·13	......	0·50	......	0·30	4	4·63	8·03	?	9·12	?
		Bahuragura...	3·74	1·23	1·25	0·62	......	......	1·41	5	8·25	12·24	?	16·90	?
	Manbhoom ...	Purulia ...	0·47	1·33	2·32	0·36	......	0·19	0·62	6	5·29	8·99	10·84	9·97	12·91
		Gobindpore ...	0·03	0·72	0·34	0·13	......	0·65	......	5	1·87	4·10	9·67	5·45	10·92
		Raghunathpore.	0·80	0·24	0·73	0·97	......	0·20	0·10	6	3·04	5·11	?	6·14	?
		Barrabhoom...	1·75	0·80	1·65	0·45	......	......	0·50	5	5·15	6·16	?	8·25	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 10*th July* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 6TH OF JULY 1888.

In the report for the previous week it was stated that the monsoon rains had commenced over almost the whole of the province between the 27th and 29th of June, that is, about a fortnight later than usual. The falls up to the 29th ultimo in Orissa and parts of Behar had been rather scanty, but over the remainder of the province general and moderately heavy rainfall had been received. The conditions during the present week have been favourable for general rainfall over all parts of the province except Orissa, and over the greater part of the reporting area rainfall decidedly in excess of the normal has been recorded.

On the 30th of June, or the first day of the present week, conditions were fairly normal, except that wind directions showed a slight tendency to circulation over parts of South-West Bengal. On the 1st July, owing to a fall of the barometer, a distinct area of low pressure was formed over part of Behar and West and Central Bengal, and the lowest pressures recorded were at Ranigunge and Bhagulpore. Wind directions also showed on this day that there was a large amount of interaction taking place over the western and central parts of the province, and this was accompanied by very heavy rainfall. On the 2nd, pressure again fell at the central stations in Bengal, and the low-pressure area became more sharply defined, and a decided cyclonic circulation of winds was set up which affected the wind directions of the greater part of the province. On this day the centre of the depression was apparently between Berhampore and Ranigunge, and again heavy rain was received at many stations. On the 3rd of July the small depression had advanced in a north-westerly direction, and it had almost passed out of the province, and its centre was apparently to the west of Buxar and Dehree, though the western stations in Behar still showed distinctly the influence of the feeble storm. The wind circulation accompanying the depression had advanced with it, and its influence in Bengal had diminished rapidly, though again on this day moderate to heavy rain was received. The depression subsequently advanced into the North-West Provinces, where it filled up and disappeared. On the 4th ordinary monsoon conditions obtained in Bengal, and there were no points calling for comment; but on the 5th instant again a distinct tendency to cyclonic circulation of winds appeared over parts of Western and Central Bengal, and on the morning of the 6th the circulation had been transferred to the south of Chutia Nagpur, though no definite barometric depression appears to have formed in connection with it. The existence, however, of this wind circulation again rendered conditions favourable for the production of rainfall, and moderate general rain was received, though the rainfall on the last two days of the week was not so heavy as during the existence of the depression in the earlier part of the week. As the result of these actions, therefore, rather heavy rain has fallen in all districts except Orissa, and an average fall of from four to six inches has been reported during the week.

Pressure.—The variations of pressure from day to day have not been of much importance, for the depression above described was an extremely feeble one. For the whole province the mean pressure for the week has been generally slightly below the normal, and taking into consideration only the stations for which reliable averages have been obtained, the mean pressure of the province has been 0·029 inch below the normal. In Assam the defect has averaged 0·042 inch.

Temperature.—The temperatures registered during the week under review present a marked contrast with those of the previous three weeks, and the mean temperature of the whole province has now become distinctly below the normal; the defect averaging 0·6°. The largest defects have been in East Bengal, North Behar, and Chutia Nagpur, where they have exceeded 1°; but on the other hand, owing to the comparative absence of rain in Orissa, the temperature of this district has been 1·2° in excess of the normal. In Assam temperature has been below the normal by 1·1°.

Rainfall—As has been above stated, has been heavy in all districts except Orissa. The falls in East Bengal, North Bengal, and Chutia Nagpur vary between five and six inches; in South-West Bengal and South Behar they are between four and five inches; in North Bengal they have equalled three and a half inches; and in Orissa the rainfall has averaged only 1·34 inch. Compared with the normal, the falls in South-West Bengal, East Bengal North Behar, and Chutia Nagpur have been between two and three inches in excess; in South Behar the excess fall has equalled one and a third inches; but the falls have been in defect in North Bengal and Orissa. The defect in North Bengal equals about twelve per cent. of the normal, but that in Orissa is more serious, and it equals about fifty per cent. of the normal fall.

Centres of heavy rainfall during the week have been rather numerous, and a very large number of stations have received almost as much rain during the week as they had previously received during the whole of June. Centres of particularly heavy rainfall are to be found at such stations as Ranigunge, which has received 12·43 inches in the week, while Mankur in the Burdwan district has recorded 10·63 inches, Maliara (Bankoorah district) 9·02 inches, Cox's Bazar 19·98 inches, Buxa (Darjeeling district) 18·78 inches, Darjeeling 12·23 inches, Mozufferpore 10 43 inches, Sitamurhi (Mozufferpore district) 10·75 inches, and Chatra (Hazaribagh district) 9 32 inches. Several of these stations, it will be seen, have been directly influenced by the depression above described.

On the other hand, the only districts in which scanty falls have been received, and practically almost the only stations also which have received little rain, are those in Orissa; but even here at such stations as Cuttack, Baripada, Jellasore, Balasore, Bhudruck, Chandbali, Dhurmsalla, Banki, and Jajpur, fairly good rain has been received.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 6th of July 1888:—

Meteorological Divisions	Temperature.						Rainfall.									
	...eek.	Low...	Averages for week.			...verage mean of ... above or below normal of week.	Of week.			Rainy days.			Since 1st of June.		Since 15th May.	
				...day.	...day.						Norm...					
Orissa	96·4	75·6	89·2	79·8	84·5	+1·2	1·34	2·67	−1·33	3·2	3·7	−0·5	3·35	12·03	5·66	13·21
South-West Bengal	94·5	74·8	89·9	78·0	84·0	−0·6	4·90	2·44	+2·46	5·4	4·2	+1·2	10·22	12·31	2·41	15·04
East Bengal ...	90·3	75·0	85·6	77·1	81·4	−1·0	5·48	3·30	+2·18	6·8	6·0	+0·8	18·89	21·10	20·30	25·22
North Bengal ...	95·9	74·8	89·1	77·7	83·4	−0·3	3·40	3·91	−0·51	4·8	4·8	0	15·30	21·18	22·18	26·78
North Behar ...	92·7	73·6	89·0	77·7	83·4	−1·4	5·86	3·42	+2·44	5·8	4·1	+1·7	10·06	11·96	13·07	13·84
South Behar ...	95·4	71·8?		78·1	84·9	−0·8	4·03	2·72	+1·31	5·5	4·0	+1·5	6·13	9·19	7·40	10·80
Chota Nagpur ...	91·0*	70·9*	84·0*	72·9*	78·5*	−1·4*	5·36	2·65	+2·71	5·5	4·4	+1·1	7·07	10·50	8·05	12·34
Assam	92·5	75·3	87·8	76·7	82·2	−1·1										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 10th July 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 1st to 7th July 1888.

					TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
M[illegible]			[illegible]ber [illegible]ght				Rang[illegible]		[illegible]bulb			H[illegible]ty	Prevailing direction.	Miles [illegible]led		
1888.		°		Inches	°	°	°		°	Inches	°				Inches.	
July	1st	158 5	Nil	29·479	81·3	87 9	10 7	77·2	78·7	·0948	77·6		WSW and SW ...		0·34	Cloudy, o, g, d, p, t.
	2nd	144·8	0 1	·510	80·6	85·8	9 0	76 8	78·4	·942	77·4		SW and WSW ...	202	1 66	Cloudy, o, g, d p, t.
	3rd	152·4	2 5	·571	83 3	90 5	15 0	75 5	79 5	·961	78 0		SSE and SSW ...	128	0 11	Cloudy, o, p.
	4th	117 3	1·5	·552	83 3	87 8	8·3	79·5	80·5	1 006	79·4		SSE and SW by S ..	106	0·12	Chiefly cloudy, o, g, d, p, t.
	5th	148·7		·520	82·5	9 1			80 1	0·998	79·2	90	SSE, SE by S and variable.	91	1·32	Cloudy, o, g, d, p, t, <.
	6th	150·0	0·6	·540	82·7	87 5			79·4	·960	78·0	86	SW and SSW ...		Nil	Cloudy, o, g.
	7th	122·2	Nil	·538	82·4	84 8	6·2	78·6	79 3	·984	78·7	89	SSW	103	0 50	Cloudy o, g, d, p.

		Inches.
The mean pressure of the seven days	...	29·530
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	29·548
		Hours.
The total number of hours of bright sunshine ..	...	5·5
The maximum possible number of hours of sunshine	...	94·1
		°
The mean temperature of the seven days	...	82 3
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	83·6
The extreme variation of temperature	...	15·0
The maximum temperature	...	90·5
		Miles.
The highest velocity of the wind in one hour	...	15
		lbs.
The highest pressure of wind on one square foot	...	Not measurable.
		%
The mean relative humidity	...	
The average relative humidity of the corresponding period for 24 years, S. G.'s Office		85
		Inches.
The total fall of rain from 1st to 7th July 1888	...	4·05
The average fall of the corresponding period for 24 years, S. G.'s Office	...	3·11
The total fall from 1st January to 7th July 1888	...	19·88
The average fall of the corresponding period for 24 years, S. G.'s Office	...	24·58

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, d drizzling rain, t thunder, < lightning.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 9th July 1888.

Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of June 1888.

		θ	Date.
The mean temperature during the month	...	86·6	
The highest temperature during the month	...	107·2	14th.
The lowest temperature during the month	...	73·8	3rd.
The range of temperature during the month	...	33·4	
The mean daily range of temperature during the month		17·3	
The greatest range of temperature in one day during the month		22·6	20th.
		°/o	
The mean humidity during the month ...	...	78	
		Inches.	
The mean vapour tension during the month	...	·992	
The total rainfall of the month ...	...	4·49	
The greatest fall in 24 hours ...	...	1·08	4th.
		Days.	
The number of rainy days in the month ...	...	10	

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 9th July 1888.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 1st to 7th July 1888.

MONTH.	Date.	TEMPERATURE.				HYGROMETRY. wet bnlh.	'apou	Dew poi	Hu lity	
1888.		°	°	°	°	°	Inches.	°		Inches.
July ...	1st ...	80·6	91·0	13·2	77·8	79 6	·999	79 2	96	0·29
" ...	2nd ...	79·9	88·4	11·1	77·3	79·1	·988	78·8	97	0·50
" ...	3rd ...	81·4	92 0	16·2	75·8	79·4	·979	78·6	91	1·44
" ..	4th ...	83·2	90·0	10·2	79·8	81·6	1·059	81 0	94	0·05
" ...	5th ...	81·8	91·2	11·2	80·0	80·4	1·020	79 8	93	1·34
" ...	6th ...	81·5	89·2	12·2	77·0	79 4	·978	78·6	91	0·16
" ...	7th ...	81 9	83·2	3·6	79·6	80·2	1·09	79·5	94	0·61

The mean temperature of the seven days	81·5
The extreme variation of temperature	16·2
The maximum temperature ...	92·0
	°/o
The mean relative humidity	94
	Inches.
The total fall of rain from to 1888	4·40

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 9th July 1888.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

THE leading features in connection with the vital statistics of the principal Municipalities in Bengal, for the week ending 23rd June 1888, are the following:—

1. That births and deaths were registered in these Municipalities at the rates, respectively, of 16·8 and 24·2 per 1,000 of population, as opposed to 17·3 and 23·8 per 1,000 in the preceding week ending 16th June.

2. That the highest proportions of births and deaths were furnished by the following Municipalities:—

Births.	Ratio per *mille.*	*Deaths.*	Ratio per *mille.*
Comillah	38·5	Gya	57·4
Narainganj	33·1	Darjiling	39·1
Beauleah	31·5	Bhagulpore	38·9
Monghyr	29·8	Narainganj	37·2
		Serampore	33·4
		Puri	29·4

3. That, as compared with the results of the preceding week, there was an enhancement of mortality, to a greater or less extent, from all the diseases, excepting bowel-complaints and injury:—

	Ratio per *mille* during the weeks ending— 23rd June 1888.	16th June 1888.
Cholera	2·5	2·1
Small-pox	·3	·2
Fever	9·8	9·6
Bowel-complaints	2·4	2·8
Injury	·5	·7
Other causes	8·7	7·9

4. That eliminating small-pox and bowel-complaints, which proved notably fatal, the former only in the Hughli town, viz., at the rate of 2·7 per 1,000 of population, and the latter in the Puri Municipality, viz., at 10·5 per 1,000, and injury, which did not exhibit any local severity, cholera, fever and the maladies returned under the head of "Other causes" manifested exceptional mortality in the following Municipalities:—

Cholera.	Ratio per *mille.*	*Fever.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Patna	7·8	Darjiling	26·1	Gya	32·8
Serampore	5·9	Beauleah	23·6	Narainganj	20·7
Gya	4·1	Bhagulpore ...	23·6	Puri	12·6
Howrah	4·0			Mozufferpore ...	10·9
Dacca	3·9			Dacca	10·4
Suburbs of Calcutta ...	2·5				

5. That the mortality referable to *Sex*, *Class* and *Age*, stood as exhibited below:—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	24·6	Christians	13·0	Under 1 year ...	262·4
Females	23·8	Hindus	24·4	1 and under 5 years ...	37·0
Ratio of male deaths to every 100 female deaths	116	Mahomedans ...	24·3	5 „ 10 „ ...	11·5
				10 „ 15 „ ...	13·6
				15 „ 20 „ ...	12·5
				20 „ 30 „ ...	14·2
				30 „ 40 „ ...	13·4
				40 „ 50 „ ...	16·5
				50 „ 60 „ ...	17·5
				60 years and upwards ...	55·6

R. LIDDERDALE, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

The 7th July 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 23rd June 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		Population.			Births.							Mortality according to—																			
												Disease.															Sex.				
					Numbers of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
Districts.	Names of Municipalities.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	6	7	13	9·1	10·7	19·8	85	..	..	6	2	...	6	14	...	...	9·1	3·0	...	9·1	21·4	59·5	12	2	34·5	6·3	600
Midnapore ...	Midnapore ...	16,927	16,633	33,560	5	5	10	7·7	7·7	15·5	100	...	...	5	1	...	4	10	...	...	7·7	1·5	...	6·2	15·5	4·6	5	5	15·4	15·6	100
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	7	7	14	9·4	9·4	18·8	100	...	2	5	5	...	...	10	...	2·7	6·7	4·0	...	...	13·4	9·4	7	3	19·0	8·0	233
Serampore ...	Serampore ...	13,559	12,937	26,496	3	4	7	5·9	7·8	13·7	75	3	...	4	3	2	5	17	5·9	...	7·8	5·9	3·9	9·8	33·4	19·6	11	6	42·2	24·1	183
	Utterpara ...	3,046	2,464	5,510	..	1	1	..	9·4	9·4	No male birth.	...	...	1	...	...	...	1	...	...	9·4	.	..	...	9·4	......	1	...	17·0	...	No female death.
Howrah ...	Howrah ...	53,153	37,660	90,813	11	10	21	6·3	5·7	12·0	110	7	...	5	4	1	6	23	4·0	...	2·8	2·3	·6	3·4	13·1	8·7	11	12	10·8	16·6	91
	Bali ...	7,836	6,979	14,815	3	1	4	10·5	3·5	14·0	300	...	..	4	...	.	3	7	...	...	14·0	..	...	10·5	24·6	3·5	2	5	13·3	37·3	40
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	36	38	74	7·4	7·9	15·3	94	12	..	54	11	4	48	129	2·5	...	11·2	2·3	·8	9·9	26·7	32·1	77	52	27·2	25·9	148
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	1	1	2	1·9	1·9	3·8	100	..	...	3	...	...	...	3	...	..	5·6	...	...	...	5·6	17·0	1	2	3·9	7·3	50
	Ranaghat ...	4,028	4,655	8,683	...	...	...		.	...	......	...	...	...	...	...	...	...	..	...	...	...	...	...	...	6·0	...	...	...	...	......
	Santipore ...	13,708	15,979	29,687	2	...	2	3·5	..	3·5	No female birth.	..	...	...	...	...	...	...	...	...	...	...	...	...	...	10·5	...	...	...	...	......
Jessore ...	Jessore ...	4,830	3,665	8,495	1	3	4	6·1	15·4	21·5	33	.	...	1	...	...	1	2	...	...	6·1	...	...	6·1	13·2	6·1	1	1	10·8	14·1	100
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	8	4	12	21·0	10·5	31·5	200	...	..	9	...	1	1	11	...	...	23·6	...	2·6	2·6	28·9	23·6	7	4	33·8	23·0	175
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	1	..	1	6·5	...	6·5	No female birth.	..	...	4	1	..	1	6	...	...	26·1	6·5	...	6·5	39·1	26·1	3	3	30·9	52·9	100
Dacca ...	Dacca ...	42,782	37,379	80,161	14	12	26	9·1	7·8	16·9	116	6	...	4	2	...	16	28	3·9	...	2·6	1·3	...	10·4	18·3	11·7	15	13	18·2	18·1	115
	Narainganj ...	7,605	4,956	12,561	6	2	8	24·8	8·3	33·1	300	...	...	3	1	...	5	9	...	..	12·4	4·1	...	20·7	37·2	12·4	4	5	27·4	52·5	80
Chittagong ...	Chittagong ...	13,340	8,790	22,130	3	2	5	7·0	4·7	11·7	150	1	...	...	2	...	1	4	2·3	...	...	4·7	...	2·3	9·4	16·4	2	2	7·8	11·8	100
Tipperah ...	Comillah ...	8,153	5,353	13,506	6	4	10	23·1	15·4	38·5	150	...	...	1	...	...	1	2	...	...	3·8	...	...	3·8	7·7	7·7	2	...	12·7	...	No female death.
Patna ...	Patna City ...	78,762	81,475	160,237	24	20	44	7·8	6·5	14·3	120	24	...	36	7	2	19	88	7·8	...	11·7	2·3	·6	6·2	28·6	29·9	44	44	29·0	28·1	100
Gya ...	Gya ...	38,290	37,831	76,121	17	12	29	11·6	8·2	19·8	141	6	...	27	3	...	48	84	4·1	...	18·4	2·0	...	32·8	57·4	48·5	45	39	61·1	53·6	112
Shahabad ...	Arrah ...	20,960	22,505	43,465	6	5	11	7·2	5·9	13·1	120	1	1	9	1	...	5	17	1·2	1·2	10·8	1·2	...	5·9	20·3	9·6	8	9	19·4	20·8	88
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	13	10	23	15·8	12·2	28·0	130	2	1	4	5	2	9	23	2·4	1·2	4·9	6·1	2·4	10·9	28·0	26·8	15	8	33·7	21·2	187
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	14	15	29	11·0	11·8	22·8	93	1	2	13	4	...	11	31	·8	1·5	10·2	3·1	...	8·7	24·4	41·7	15	16	23·1	25·7	93
Sarun ...	Chupra ...	26,044	27,205	53,249	4	4	8	3·9	3·9	7·8	100	...	...	11	...	...	4	15	...	...	10·7	...	...	3·9	14·6	8·8	5	10	10·0	19·1	50
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	18	8	26	16·3	7·2	23·6	225	1	1	26	4	...	11	43	·9	·9	23·6	3·6	...	9·9	38·9	20·8	19	24	33·3	44·9	79
Monghyr ...	Monghyr ...	28,154	29,366	57,520	14	19	33	12·6	17·2	29·8	73		...	8	3	2	10	28	...	...	7·2	2·7	1·8	9·0	20·8	12·7	15	8	27·7	14·2	187
Purneah ...	Purneah ...	8,463	6,553	15,016	1	...	1	3·4	..	3·4	No female birth.		..	2	...	...	...	2	...	...	6·9	...	...	...	6·9	6·9	[illegible]	1	6·1	7·9	100
Puri ...	Puri ...	13,247	11,537	24,784	6	3	9	12·6	6·3	18·9	200	...	..	3	5	...	6	14	...	...	6·3	10·5	...	12·6	29·4	27·3	4	10	15·7	45·1	40
	Total ...	702,890	619,691	1,322,581	230	197	427	9·0	7·7	16·8	116	64	7	248	63	14	221	616	2·5	·3	9·8	2·4	·5	8·7	24·2	23·3	332	284	24·6	23·8	116

* special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, inasmuch as the census of the Europe[ans] above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

		13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
DISTRICTS.	NAMES OF MUNICIPALITIES.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	...	8	6	...	...	...	17·6	30·4	...	...	2	1	...	...	2	...	3	4	2	...	157·6	23·1	......	......	33·3	......	22·6	47·1	42·4	......
Midnapore	Midnapore	...	9	1	...	...	...	18·0	7·2	...	...	3	...	1	1	...	...	2	1	1	1	210·0	......	13·9	17·1	......	......	18·8	14·0	25·2	28·4
Hughli	Hughli and Chinsurah ...	...	9	1	...	...	...	14·8	7·6	...	...	2	1	2	...	...	2	...	...	2	1	110·3	19·5	29·9	......	......	13·4	......	......	31·8	20·7
Serampore	Serampore	...	16	1	...	...	...	33·0	55·4	...	...	3	1	...	1	1	1	2	4	1	3	219·7	28·8	......	23·4	13·8	9·7	20·1	61·6	22·2	112·1
	Utterpara	...	1	...	...	...	...	4·7	...	...	...	...	...	...	...	1	...	...	...	...	...	......	......	......	......	118·2	......	......	......	......	......
Howrah	Howrah	...	18	5	...	...	...	13·7	12·7	...	...	1	...	1	1	2	8	6	1	1	2	25·2	......	8·3	7·9	14·2	18·4	16·2	4·4	9·5	37·7
	Bali	...	7	...	...	...	...	27·1	...	...	...	3	1	...	...	...	...	...	...	1	2	430·9	53·1	......	......	......	......	......	......	48·6	142·1
24-Pergunnahs ...	Suburbs of Calcutta ...	...	80	49	...	...	...	27·7	26·4	...	...	30	10	7	3	3	26	16	12	12	10	337·4	32·2	18·4	8·7	8·7	23·3	12·2	18·4	36·8	36·6
Nuddea	Kishnaghur	...	2	1	...	...	...	5·6	6·3	...	...	...	...	...	1	...	...	...	...	...	2	......	......	......	18·5	......	......	......	......	......	60·2
	Ranaghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	......	......	......	......	......	......	......	......	......
	Santipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	......	......	......	......	......	......	......	......	......
Jessore	Jessore	...	...	2	...	...	...	...	27·2	...	...	1	...	...	1	...	...	...	...	...	...	268·0	......	......	78·2	......	......	......	......	......	......
Rajahahye	Rampore Beauleah ...	1	6	4	...	...	912·3	31·5	21·2	...	...	1	...	1	3	...	1	...	3	2	...	128·1	......	25·0	86·6	......	12·5	......	63·6	83·8	......
Darjiling	Darjiling	...	6	...	...	...	...	67·9	...	...	...	1	2	...	...	...	1	1	...	...	1	429·7	161·7	......	......	......	26·0	36·3	......	......	307·7
Dacca	Dacca	...	13	15	...	...	...	16·5	19·8	...	...	7	2	3	...	...	5	3	3	1	4	191·8	14·1	15·7	......	......	17·0	13·4	19·6	11·0	37·1
	Narainganj	...	2	7	...	...	...	16·4	59·1	...	...	3	2	...	...	...	2	...	...	...	2	559·1	91·2	......	......	......	39·0	......	......	......	158·5
Chittagong	Chittagong	1	...	3	...	...	65·3	...	10·2	...	...	1	1	...	...	...	...	1	1	...	...	93·4	26·4	......	......	......	......	18·8	23·0	......	......
Tipperah	Comillah	...	1		...	...	...	8·7	7·0	...	...	1	...	1	...	...	...	...	...	...	...	175·1	......	31·9	......	......	......	......	......	......	......
Patna	Patna City	1	65	22	...	...	146·5	28·4	25·0	...	...	18	13	2	8	5	9	5	8	4	16	217·2	46·3	6·2	28·9	23·5	16·2	11·2	22·1	14·7	60·2
Gya	Gya	...	59	25	...	...	...	51·1	80·9	...	...	29	10	1	4	2	5	5	9	3	16	842·5	81·8	7·4	30·9	19·9	17·7	30·4	47·9	23·7	161·0
Shahabad	Arrah	...	11	6	...	...	...	18·4	25·1	...	...	4	7	1	1	...	1	1	...	...	2	161·5	82·1	10·1	11·8	......	6·6	8·1	......	......	36·1
Mozufferpore ...	Mozufferpore	...	20	3	...	...	...	34·6	12·5	...	...	2	3	2	2	...	4	2	...	1	7	108·9	38·6	23·1	26·3	......	24·2	14·9	......	16·0	149·5
Durbhanga ...	Durbhanga	...	25	6	...	...	...	26·9	17·5	...	...	10	5	2	1	1	1	2	3	...	6	334·0	34·1	13·3	9·3	12·9	3·9	9·3	21·0	......	97·7
Sarun	Chupra	...	12	3	...	...	...	15·2	13·0	...	...	5	3	1	...	1	...	2	1	...	2	180·1	29·4	8·4	......	14·	......	12·9	8·3	......	[illegible]
Bhagulpore ...	Bhagulpore	...	30	13	...	...	...	39·2	39·2	...	...	14	7	2	1	4	4	1	1	1	8	699·7	67·1	17·7	8·3	49·7	19·0	5·6	8·1	12·2	115·5
Monghyr	Monghyr	...	15	8	...	...	...	17·4	33·1	...	...	8	7	1	1	...	4	2	...	...	...	280·1	58·5	7·4	9·1	......	20·1	11·7	......	......	......
Purneah	Purneah	...	1	1	...	...	...	5·6	9·1	...	...	...	...	...	1	1	...	...	...	...	...	......	......	......	42·5	52·3	......	......	......	......	......
Puri	Puri	...	14	...	...	...	...	29·7	...	...	...	4	2	1	...	1	...	5	...	...	1	686·5	57·9	23·2	......	28·9	......	64·2	......	......	28·8
	TOTAL ...	3	450	183	...	...	13·0	24·4	24·3	...	...	153	78	29	30	24	74	59	51	32	86	262·4	37·0	11·5	13·6	12·5	14·2	13·4	16·5	17·5	55·6

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 7th July 1888.

R. LIDDERDALE, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of May 1888.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDAH CANAL, 27 MILES. MACHGONG „ 4 „

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
	1. Grain ...							Canal closed for annual repairs.
	2. Cotton ...							
	3. Oilseeds ...							
	4. Salt ...							
	5. Piece-goods ...							
	6. Metal ...							
	7. Building materials			Nil.				
	8. Miscellaneous ...							
	9. Fuel ...							
	10. Timber ...							
	11. Bamboos ...							
	12. Total ...							
10 & 2 rafts.	13. Total of same month last year	......	111 & 216 No.	111 & 216 No.	245	111 & 216 No.	245	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.			
15. Total number of boats plying passenger No.			
15½. Total number of empty boats ... No.			
16. Total registered tonnage, cargo ... Tons			
17. Total registered tonnage, passenger ... Tons			
18. Ton-mileage ...			
19. Estimated value of cargo Rs.			
20. Number of passengers ...		Nil.	
21. Rafts, bamboos c. ft.			
22. Do., bullahs „			
23. Estimated value of rafts Rs.			
24. Tollage on boats „			
25. Compounded tollage on boats ... Rs.			
26. Tollage on rafts „			
27. Total tollage on boats per ton-mile ...			
28. Total tollage on rafts per 100 cubic feet ...			

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	......
Total tollage of same month last year ...	45 8 9

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	128 5 6
2. Tollage per month ...	......
3. Total ...	128 5 6
4. Amount credited in the accounts of the month ...	128 5 6
5. Balance due at the end of the month ...	......

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
......	1. Grain ...	......	......	......	......	......	......	Canal closed for annual repairs.
......	2. Cotton ...	......	......	......	......	......	......	
......	3. Oilseeds ...	......	......	......	......	......	......	
......	4. Salt ...	......	......	......	......	......	......	
......	5. Piece-goods	......	......	......	......	......	......	
......	6. Metal ...	......	......	......	......	......	......	
......	7. Building materials	......	......	......	......	......	......	
1	8. Miscellaneous ...	......	1	1	10	1	10	
......	9. Fuel ...	......	......	......	......	......	......	
......	10. Timber ..	......	......	......	......	......	......	
......	11. Bamboos ...	......	......	......	......	......	......	
1	12. Total ...	......	1	1	10	1	10	
1 & 1 raft.	13. Total of same month last year	4	150 No.	4 & 150 No.	365	4	360	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	......	1	1
15. Total number of boats plying passenger No.	......	......	......
15½. Total number of empty boats . No.	......	14	14
16. Total registered tonnage, cargo Tons	......	2	2
16½. Total number of empty boats No.	......	88	88
17. Total registered tonnage, passenger Tons	......	......	......
18. Ton-mileage ...	......	842	842
19. Estimated value of cargo Rs.	......	10	10
20. Number of passengers ...	......	......	......
21. Rafts, bamboos c ft.	......	......	......
22. Do., bullahs "	......	......	......
23. Estimated value of rafts Rs.	......	......	......
24. Tollage on boats "	......	12-11-11	12-11-11
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts "	......	......	......
27. Total tollage on boats per ton-mile	......	......	0-0-2·9
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs. A. P.
Total tollage of month— 24 + 25 + 26 ...	12 11 11
Total tollage of same month last year	8 6 9

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month	10,893 6 9
2. Tollage per month ...	12 11 11
Deduct amount erroneously charged on Police Department during March 1888	0 3 3
3. Total ...	10,905 15 5
4. Amount credited in the accounts of the month	5,057 10 6
5. Balance due at the end of the month ...	5,848 4 11

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 34 MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	REMARKS.
	1. Grain ...							Canal closed for annual repairs.
	2. Cotton ...							
	3. Oilseeds ...							
	4. Salt ...							
	5. Piece-goods ...							
	6. Metal							
	7. Building materials			Nil.				
	8. Miscellaneous ...							
	9. Fuel ...							
	10. Timber							
	11. Bamboos ...							
	12. Total ...							
	13. Total of same month last year							

	Up.	Down.	Total.
14. Total number of boats plying cargo No.			
15. Total number of boats plying passenger No.			
16. Total registered tonnage, cargo Tons			
17. Total registered tonnage, passenger Tons			
18. Ton-mileage ...			
19. Estimated value of cargo Rs.		Nil.	
20. Number of passengers ...			
21. Rafts, bamboos c. ft.			
22. Do., bullahs "			
23. Estimated value of rafts Rs.			
24. Tollage on boats "			
25. Compounded tollage on boats Rs.			
26. Tollage on rafts "			
27. Total tollage on boats per ton-mile ...			
28. Total tollage on rafts per 100 cubic feet ...			

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	......
Total tollage of same month last year ...	......

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	386	1	9
2. Tollage per month ...	......		
3. Total ...	386	1	9
4. Amount credited in the accounts of the month ...	374	5	3
5. Balance due at the end of the month ...	11	12	6

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
	1. Grain ...							Canal closed for annual repairs.
	2. Cotton ...							
	3. Oilseeds ..							
	4. Salt ...							
	5. Piece-goods ...							
	6. Metal ...			Nil.				
	7. Building materials							
	8. Miscellaneous ...							
	9. Fuel ...							
	10. Timber ...							
	11. Bamboos ...							
	12. Total ...							
	13. Total of same month last year ..							

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.			
15. Total number of boats plying passenger No.			
16. Total registered tonnage, cargo ... Tons			
17. Total registered tonnage, passenger Tons			
18. Ton-mileage ...			
19. Estimated value of cargo Rs.		Nil.	
20. Number of passengers ...			
21. Rafts, bamboos c. ft.			
22. Do., bullahs "			
23. Estimated value of rafts Rs.			
24. Tollage on boats "			
25. Compounded tollage on boats ... Rs.			
26. Tollage on rafts "			
27. Total tollage on boats per ton-mile			
28. Total tollage on rafts per 100 cubic feet ...			

	Rs. A. P.
Total tollage of month—24+25+26 ...	Nil.
Total tollage of same month last year ...	

Memorandum of Tollage

	Rs. A. P
1. Balance not recovered on the 1st of the month ...	1 11 0
2. Tollage per month ...	......
3. Total ...	1 11 0
4. Amount credited in the accounts of the month ...	1 11 0
5. Balance due at the end of the month ...	Nil.

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	REMARKS.
	1. Grain ...							Canal closed for annual repairs.
	2. Cotton ...							
	3. Oilseeds ...							
	4. Salt ...							
	5. Piece-goods ...							
	6. Metal ...			Nil				
	7. Building materials							
	8. Miscellaneous ...							
	9. Fuel ...							
	10. Timber ...							
	11. Bamboos ..							
	12. Total ...							
	13. Total of same month last year.							

	Up.	Down.	Total.
14. Total number of boats plying cargo No.			
15. Total number of boats plying passenger No.			
16. Total registered tonnage, cargo Tons			
17. Total registered tonnage, passenger Tons			
18. Ton-mileage ...			
19. Estimated value of cargo Rs.			
20. Number of passengers ...		Nil.	
21. Rafts, bamboos c. ft.			
22. Do., bullahs "			
23. Estimated value of rafts Rs.			
24. Tollage on boats "			
25. Compounded tollage on boats Rs.			
26. Tollage on rafts "			
27. Total tollage on boats per ton-mile ...			
28. Total tollage on rafts per 100 cubic feet ...			

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	Nil.
Total tollage of same month last year	

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	......
2. Tollage per month ...	......
3. Total ...	
4. Amount credited in the accounts of the month ...	*Nil.*
5. Balance due at the end of the month ...	......

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up.	Quantity—Tons. Down.	Quantity—Tons. Total.	Value. Rupees.	PRIVATE. Quantity. Tons.	PRIVATE. Value. Rupees.	REMARKS.
1,003	1. Grain ...	5,144	662	5,806	2,84,759	5,806	2,84,759	
...	2. Cotton ...	1	......	1	200	1	200	
45	3. Oilseeds ...	348	211	559	57,292	559	57,292	
184	4. Salt ...	......	2,159	2,159	1,94,710	2,159	1,94,710	
1	5. Piece-goods ...	1	3	4	7,000	4	7,000	
32	6. Metal	134	164	298	3,21,814	298	3,21,814	
49	7. Building materials	649	6	655	3,495	573	3,265	
636	8. Miscellaneous ...	1,659	992	2,651	5,79,645	2,651	5,79,645	
35	9. Fuel ...	186	119	305	4,296	305	4,296	
15 rafts	10. Timber ...	1,908 c. ft	346 c. ft.	2,254 c. ft.	2,137	2,254 c.ft.	2,137	
3 "	11. Bamboos ...	500 "	... "	500 "	12	500 "	12	
1,985 & 18 rafts.	12. Total ...	8,122 & 2,408 c. ft.	4,316 & 346 c. ft.	12,438 & 2,754 c. ft.	14,55,360	12,356 & 2,754 c. ft.	14,55,130	
1,556 & 13 rafts.	13. Total of same month last year.	6,702 & 1,694 c. ft.	4,416 & 142 c. ft.	11,118 & 1,836 c. ft.	11,85,364	11,118 & 1,836 c. ft.	11,85,364	

	Up.	Down.	Total.
14 Total number of boats plying cargo No.	1,171	514	1,985
15. Total number of boats plying passenger No.	451	539	993
15½. Total number of empty boats ... No	588	1 047	1,635
16. Total registered tonnage, cargo Tons	21,623	9,541	31,164
17. Total registered tonnage, passenger ... Tons	2,777	2,439	5,216
17½. Total registered tonnage, empty ... Tons	2,655	4,418	7,103
18. Ton-mileage ..	3,19,311	5,48,510	8,67,854
19. Estimated value of cargo Rs.	7,92,322	6,60,889	14,53,211
20. Number of passengers ...	4,541	5,435	9,976
21. Rafts, bamboos c. ft.	500	......	500
22. Do., bullahs "	1,908	346	2,254
23. Estimated value of rafts Rs	1,545	604	2,149
24. Tollage on boats "	7,897-10-6	5,454-7-3	13,352-1-9
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts "	26-10-9	3-0-6	29-11-3
27. Total tollage on boats per ton-mile Pie	......	......	2·9
28. Total tollage on rafts per 100 cubic feet Rs.	......	......	1-1-3

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	13,381	13	0
Total tollage of same month last year ..	9,988	0	3

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	4,023	10	2
2. Tollage per month ...	13,381	13	0
3. Total ...	17,405	7	2
4. Amount paid into treasury during the month ...	13,825	0	0
5. Balance due at the end of the month ...	3,580	7	2

HIDGELLEE TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
638	1. Grain ...	5,567	4	5,571	1,81,723	5,571	1,81,723	
......	2. Cotton ...	......	......	......	......	......	......	
3	3. Oilseeds ...	34	......	34	2,150	34	2,150	
84	4. Salt ...	......	682	682	75,800	682	75,800	
15	5. Piece-goods ...	......	56	56	39,150	56	39,150	
......	6. Metal ...	......	......	......	......	......	......	
6	7. Building materials	21	......	21	90	4	15	
845	8. Miscellaneous ...	557	584	1,141	1,24,506	1,141	1,24,506	
23	9. Fuel ...	32	155	187	1,399	187	1,399	
4 rafts	10. Timber ...	136 c. ft.	286 c. ft.	422 c. ft.	856	422 c. ft.	856	
1 raft	11. Bamboos ...	......	300 c. ft.	300 c. ft.	30	300 c. ft.	30	
1,614 & 5 rafts	12. Total ...	6,211 & 136 c. ft.	1,481 & 586 c. ft.	7,692 & 722 c. ft.	4,25,704	7,675 & 722 c. ft.	4,25,629	
1,312 & 4 rafts.	13. Total of same month last year.	4,349 & 436 c. ft.	1,375 & 36 c. ft.	5,724 & 472 c. ft.	3,02,176	5,692 & 472 c. ft.	2,97,976	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	775	839	1,614
15. Total number of boats plying passenger No.	35	39	74
16. Total registered tonnage, cargo Tons	12,886	6,659	19,545
17. Total registered tonnage, passenger Tons	406	449	855
18. Ton-mileage	305,086	148,750	4,53,836
19. Estimated value of cargo Rs	200,368	2,24,450	4,24,818
20. Number of passengers ...	391	1,228	1,619
21. Rafts, bamboos c. ft.	......	300	300
22. Do., bullahs „	136	286	422
23. Estimated value of rafts Rs.	275	611	886
24. Tollage on boats „	5,346-0-0	2,603-5-0	7,949-5-0
25. Compounded tollage on boats ... Rs.	1-8-0	......	1-8-0
26. Tollage on rafts „	0-8-0	6-2-6	6-10-6
27. Total tollage on boats per ton-mile Pie	......	......	0-0-3·3
28. Total tollage on rafts per 100 cubic feet Rs.	......	......	0-14-9

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	7,957	7	6
Total tollage of same month last year .	5,504	1	9

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	2,221	1	0
2. Tollage per month ...	7,957	7	6
3. Total ...	10,178	8	6
4. Amount paid into treasury during the month ...	7,817	0	3
5. Balance due at the end of the month ...	2,361	8	3

SONE CIRCLE.

PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
......	1. Grain ...	......	......	......	......	......	......	
......	2. Cotton ...	......	......	......	......	......	......	
......	3. Oilseeds ...	......	......	......	......	......	......	
......	4. Salt ...	......	......	......	......	......	......	
......	5. Piece-goods ...	......	......	......	......	......	......	
......	6. Metal ...	......	......	......	......	......	......	
......	7. Building materials	......	......	......	......	......	......	
4	8. Miscellaneous ...	......	17	17	1,605	17	1,605	
......	9. Fuel ...	......	......	......	......	......	......	
Rafts	10. Timber ...	......	1	1	10	1	10	
	11. Bamboos ...	......	24	24	305	24	305	
4	12. Total ...	......	42	42	1,920	42	1,920	
78.	13. Total of same month last year	397	1,300	1,697	73,695	1,607	72,132	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	......	4	4
15. Total number of boats plying passenger No.	......	......	......
15½. Total number of empty boats No.	......	......	......
16. Total registered tonnage, cargo Tons	......	31	31
17. Total registered tonnage, passenger Tons	......	......	......
17½. Total registered tonnage, empty Tons	......	......	......
18. Ton-mileage ...	......	3,047	3,047
19. Estimated value of cargo Rs.	......	1,605	1,605
20. Number of passengers	......	......	......
21. Rafts, bamboos c. ft.	......	3,615	3,615
22. Do., bullahs "	......	80	80
23. Estimated value of rafts Rs.	......	315	315
24. Tollage on boats "	......	25-7-	25-7-6
25. Compounded tollage on boats Rs.	75	75	150
26. Tollage on rafts "	......	4-10-6	4-10-6
27. Total tollage on boats per ton-mile Pie	......	......	0-0-11·05
28. Total tollage on rafts per 100 cubic feet Rs.	......	......	0-2-0

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	180	2	[illegible]
Total tollage of same month last year ...	1,295	6	1[illegible]

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	552	9	[illegible]
2. Tollage per month ...	180	2	6
3. Total ...	732	11	9
4. Amount credited in the accounts of the month	389	0	6
5. Balance due at the end of the month ...	343	11	3

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
2	1. Grain ...	......	32	32	1,800	32	1,800	
...	2. Cotton ...	......	......	......	......	...	....	
1	3. Oilseeds ...	......	14	14	1,200	14	1,200	
9	4. Salt ...	4	78	82	6,350	82	6,350	
...	5. Piece-goods ...	9	......	9	1,200	9	1,200	
...	6. Metal ...	1	......	1	200	1	200	
2	7. Building materials	6	......	6	175	......	......	
48	8. Miscellaneous ...	11	513	524	933		600	
6	9. Fuel ...	......	64	64	900	64	900	
...	10. Timber ...	1	......	1	80	1	80	
Rafts	Firewood ...	......	35	35	265	35	265	
Rafts	Bullahs ...	......	587	587	2,946	587	2,946	
Rafts	11. Bamboos ...	......	397	397	5,250	397	5,250	
68	12. Total ...	32	1,720	1,752	21,299	1,233	20,791	
69	13. Total of same month last year.	237	1,255	1,492	1,33,041	1,485	1,32,541	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	3	65	68
15. Total number of boats plying passenger No.	1	......	1
15½. Total number of empty boats No.	41	6	50
16. Total registered tonnage, cargo Tons	40	965	1,005
17. Total registered tonnage, passenger Tons	8	......	8
17½. Total registered tonnage, empty Tons	136	16	152
18. Ton-mileage ...	4,237	22,511	26,748
19. Estimated value of cargo Rs.	2,605	10,233	12,838
20. Number of passengers ...	101	......	101
21. Rafts, bamboos c. ft.	......	59,602	59,602
22. Do., bullahs "	......	44,090	44,090
22½. Do., firewood "	......	2,659	2,659
23. Estimated value of rafts Rs.	......	8,461	8,461
24. Tollage on boats "	17-0-9	155-13-9	172-14-6
25. Compounded tollage on boats Rs.	228	228	456
26. Tollage on rafts "	......	163-5-0	163-5-0
27. Total tollage on boats per ton-mile ...	......	......	0-0-4·51
28. Total tollage on rafts per 100 cubic feet ...	......	......	0-2-5

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	792	3	6
Total tollage of same month last year ...	814	1	5

Memorandum of Tollage

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	75	8	0
2. Tollage per month ...	792	3	6
3. Total ...	867	11	6
4. Amount credited in the accounts of the month	756	5	9
5. Balance due at the end of the month ...	111	5	9

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
57	1. Grain ...	20	847	867	64,875	867	64,875	
...	2. Cotton ...	......	......	......	......	......	......	
1	3. Oilseeds ...	......	16	16	2,070	16	2,070	
24	4. Salt ...	139	58	197	29,504	197	29,504	
1	5. Piece-goods ...	7	7	14	13,620	14	13,620	
...	6. Metal ...	......	2	2	1,140	2	1,140	
6	7. Building materials	1	69	70	4,421	11	330	
11	8. Miscellaneous ...	62	89	151	54,343	151	54,343	
1	9. Fuel ...	11	......	11	200	......	.. ...	
...	10. Timber ...	......	236	236	4,618	236	4,618	
...	11. Bamboos ...	......	250	250	4,505	250	4,505	
101	12. Total ...	240	1,574	1,814	1,79,296	1,744	1,75,005	
69	13. Total of same month last year.	76	1,153	1,229	1,20,764	1,148	1,17,739	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	23	78	101
15. Total number of boats plying passenger No.	8	13	21
15½. Total number of boats, empty No.	66	23	89
16. Total registered tonnage, cargo Tons	302	1,921	2,223
17. Total registered tonnage, passenger Tons	193	281	474
17½. Total registered tonnage, empty Tons	229	82	311
18. Ton-mileage ...	16,303	52,331	68,634
19. Estimated value of cargo Rs.	63,792	1,06,381	1,70,173
20. Number of passengers ...	602½	912	1,514½
21. Rafts, bamboos c. ft.	......	37,545	37,545
22. Do., bullahs "	......	17,789	17,789
23. Estimated value of rafts Rs.	......	9,123	9,123
24. Tollage on boats "	169-3-6	584-7-6	753-11-0
25. Compounded tollage on boats Rs.	75	139	214
26. Tollage on rafts "	......	185-8-9	185-8-9
27. Total tollage on boats per ton-mile Pies	......	......	2·70
28. Total tollage on rafts per 100 cubic feet Rs.	......	......	0-5-4

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	1,153	3	9
Total tollage of same month last year ...	561	14	4

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	330	4	9
2. Tollage per month ...	1,153	3	9
3. Total ...	1,483	8	6
4. Amount credited in the accounts of the month ...	1,424	3	9
5. Balance due at the end of the month ...	59	4	9

ABSTRACT FOR THE MONTH OF MAY 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

CANAL.	TRAFFIC, 1888-89.		TRAFFIC, 1887-88.		REMARKS.
	During the month.	To end of the month.	During the month.	To end of the month.	
Orissa Circle.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Taldunda Canal System ...	...	373 1 9	45 8 9	555 11 3	
Kendrapara Canal System	12 11 11	6,996 5 11	8 6 9	6,122 1 9	
High Level, Range I ...	......	999 4 3	......	892 12 0	
Ditto, „ II ...	......	557 15 3	......	462 6 0	
Ditto, „ III ...	......	173 7 6	......	128 6 3	
Total Orissa Circle ...	12 11 11	9,100 2 8	53 15 6	8,161 5 3	
South-Western Circle.					
Midnapore Canal ...	13,381 13 0	19,444 10 0	9,988 0 3	15,383 4 3	
Hidgellee Tidal Canal ...	7,957 7 6	10,178 8 6	5,504 1 9	10,949 5 3	
Total South-Western Circle	21,339 4 6	29,623 2 6	15,492 2 0	26,332 9 6	
Sone Circle.					
Patna Canal System ...	180 2 0	3,201 15 6	1,295 6 10	4,321 4 4	
Arrah ditto ...	792 3 6	3,332 6 6	814 1 5	2,223 14 5	
Buxar ditto ...	1,153 3 9	2,163 1 3	561 14 4	1,465 13 3	
Total Sone Circle ...	2,125 9 3	8,697 7 3	2,671 6 7	8,011 0 0	
GRAND TOTAL ...	23,477 9 8	47,420 12 5	18,217 8 1	42,504 14 9	

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1888-89.						TRAFFIC, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
Orissa Circle.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level	146	325	219 4 0	477	802	712 6 11	10	16	26 10 9	665	1,574	1,053 14 8
Total Orissa Circle ...	146	325	219 4 0	477	802	712 6 11	10	16	26 10 9	665	1,574	1,053 14 8

TOTAL NAVIGATION RECEIPTS.

CANAL.	EARNINGS, 1888-89.		EARNINGS, 1887-88.		REMARKS.
	During the month.	To end of the month.	During the month.	To end of the month.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals ...	231 15 11	9,812 9 7	80 10 3	9,215 3 11	
Midnapore Canal ...	13,381 13 0	19,444 10 0	9,988 0 3	15,383 4 3	
Hidgellee Tidal Canal ...	7,957 7 6	10,178 8 6	5,504 1 9	10,949 5 3	
Sone Canals ...	2,125 9 3	8,697 7 3	2,671 6 7	8,011 0 0	
Total ...	23,696 13 8	48,133 3 4	18,244 2 10	43,558 13 5	

CALCUTTA, }
The 10th July 1888. }

A. D. McARTHUR, *Major*, R.E.
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 7th July 1888, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 7th July 1888.			Week ending Saturday, the 9th July 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	371	1,10,275	1,934	499	76,385	1,239
Jute	12	6,650	87	27	14,600	249
Firewood	148	64,075	952	181	75,330	1,201
Other articles	604	1,82,485	2,267	772	2,26,715	3,333
Total ...	1,135	3,63,485	5,240	1,479	3,93,030	6,022

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ended 26th May 1888, as compared with the same period of 1887.

Staples.		1888.		1887.		Increase.		Decrease.	
		Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
		Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Animals, living	Horses, ponies, and mules	No. 120	2,105	No. 36	494	No. 84	1,611	No. ..	......
	Cattle	" 60	623	" 151	1,107	" ...	.....	" 91	484
	Sheep and goats	" 2,583	2,025	" 3,580	2,905	" ...	.....	" 947	880
	Other kinds	" ...	......	" ...	......	" ...	..	"	...
Borax		1,593	1,178	425	125	1,168	1,053	...	...
Canes and rattans		84	164	83	159	1	5	...	......
Caoutchouc (Indian-rubber)		56	10	57	11	......	......	1	1
Chinese and Japanese ware		7	18	19	21	...	...	12	3
Coal and coke, up		7,62,204	2,36,897	6,57,474	2,17,877	1,04,730	19,020	......	......
Ditto, down		16,78,255	2,33,253	14,55,345	2,02,383	2,22,910	30,870	...	...
Cotton, raw		42,470	38,685	87,413	83,618	......	......	44,943	43,933
Cotton, manufactured.	Twist and yarn (European)	7,258	8,766	7,273	8,775	.....	...	15	9
	Ditto (Indian)	11,666	7,417	11,509	7,218	157	199	.....	......
	Piece-goods (European)	1,76,320	2,00,117	1,65,801	1,75,094	10,519	25,023	...	...
	Ditto (Indian)	21,398	10,217	21,294	9,831	104	386	...	...
Drugs and Medicines.	Asafoetida	295	108	101	69	194	39	...	.
	Other sorts, not intoxicating	1,572		1,426	1,405	146	409	......	......
	Intoxicating drugs (other than opium, i.e., arsenic, bhang, ganja, and charas, &c.)	1,321	1,391	1,606	1,450	......	......	375	59
Dyeing Materials.	Indigo	247	152	499	240	......	...	252	88
	Madder or manjit	4	5	...	...	4	5	...	......
	Safflower	2,902	888	2,972	1,090	......	......	70	202
	Turmeric	14,697	8,736	11,194	9,044	3,563	......	.....	308
	Other kinds	8,365	3,476	12,461	7,017	...	...	4,096	3,571
Earthenware and porcelain		578	787	537	821	41	....	...	34
Fibrous products.	Jute, raw	7,448	3,189	4,684	2,050	2,764	1,130	......	......
	Do., manufactured (gunny bags and cloths).	1,23,438	64,270	1,01,354	51,471	22,084	12,799	......	..
	Other fibres, raw	13,215	5,319	7,024	2,974	6,191	2,345	...	...
	Ditto, manufactured	2,144	798	3,604	1,385	......	.	1,460	587
Fruits & Nuts	Cocoanuts	3,444	2,534	4,388	3,436	....	..	944	902
	All other kinds	28,927	29,551	26,228	24,341	2,699	5,210	......	...
Grain & Pulses	Wheat	13,78,197	3,25,909	23,22,457	6,27,489	......	...	9,44,260	3,01,580
	Gram and pulses	2,04,528	52,874	2,87,838	83,664	......	...	83,310	30,790
	Rice, husked	4,41,607	1,28,380	4,83,517	1,24,720	...	3,660	41,910	...
	Do., unhusked	15,344	1,989	13,034	1,609	2,310	380	..	...
	Other rain and spring crops	1,25,·22	29,159	1,67,772	34,579	.	...	42,650	5,420
Government stores		21,119	39,010	13 303	14,863	7,816	24,147	...	...
Gums and resins		7,490	3,379	6,553	3,010	93.	369	...	...
Hides & Skins	Hides of cattle	20,761	12,084	24,354	13,267	.....	......	3,593	1,183
	Skins of sheep, goats, and small animals.	14,167	7,354	13,392	7,762	775	...	....	408
Horns		1,607	991	1,382	750	225	241	......	......
Lac	Lac dye	1	1	16	5	...	......	15	4
	Do. shell	14 161	9,595	18,337	12,919	...	...	4,176	3,324
	Do. stick and other kinds	14,524	4,8·7	16,453	5,440	.	...	1,929	593
Leather	Leather, unmanufactured	1,172	2,478	1,182	2,515	....		10	37
	Ditto, manufactured	1,796	2,669	1,703	2,487	93	182	...	....
Liquors		12,522	10,768	14,410	12,473	.....	...	1,888	1,705
Mats		450	311	431	253	19	58	...	......
Minerals		1,97,155	26,423	1,25,852	20,082	71,303	6,341	..	..
Metals and Manufactures of	Brass and copper	15,858	8,123	28,120	17,569	...	.	12,262	11,446
	Iron	1,18,771	62,256	68,765	39,751	50,006	22,505	...	......
	Other metals	3,825	3,547	6,064	5,137	.	..	2,239	1,590
Oils		36,457	18,183	22,219	10,613	14,238	7,570	...	......
Opium		57,360	41,8·6	49,926	37,293	7,574	4,523	...	......
Paints and colours		5,2·6	1,642	1,717	1,573	3,559	...	......	31
Provisions	Ghee	21,895	19,039	20,283	19,277	1,612	.	......	238
	Other kinds	5,443	4,8·7	4,562	3,663	881	1,204	...	......
Railway materials, Construction Account		2,61,355	3,746	1,73,828	3,669	87,527	77	...	...
Ditto ditto, Foreign		73,474	3·,·0·	2,89,021	1,25,053	.....	.....	2,15,547	92,552
Salt		5,45,856	1,23,091	5,60,794	1,22,225	......	866	14,938	...
Saltpetre, &c.	Saltpetre	51,223	22,9·6	57,112	27,264	...	..	5,889	4,318
	Other saline substances	17,681	5,3·6	15,911	4,486	1,770	880	...	......
Seeds — Oil-seeds.	Linseed	10,12,341	2,97,374	7,68,421	2,20,824	2,43,920	76,550	......	......
	Mustard and rape	3,19,861	97,127	1,91,861	65,287	1,28,000	31,840	......	......
	Til or gingelly	6,285	74·	9,955	1,625	..	...	3,670	880
	Other oilseeds	2,57,748	71,964	1,21,158	37,074	1,36,590	34,890	......	......
Seeds — Other seeds	Indigo seed	9,026	2,388	6,096	1,608	2,930	780	...	...
	Tea seed	...	...	...	...	...	...	...	...
	Other kinds	18,504	6,179	35,164	18,029	...	...	16,660	11,850
Silk	Silk, raw	1,531	879	1,362	1,907	......	......	31	128
	Do., manufactured (European)	......	......	.	......	.	...	......	......
	Do., ditto (Indian)	498	278	500	393		...	2	15
Spices		33,654	26,012	8,604	5,162	25,050	20,850	......	...
Stone and marble		77,389	11,770	74,283	9,831	3,106	1,939	......	......
Sugar	Sugar, refined	2,53,930	51,457	2,18,484	45,759	35,442	5,678	......	.....
	Do., unrefined	1,63,658	18,487	1,14,698	16 263	48,960	2,224	...	.....
Tea	Tea, Indian	3,625	5,563	2,019	2,830	1,606	2,733	......	......
	Do., Foreign	266	3	448	13	...	...	182	10
Tobacco		1,16,906	46,121	91,287	37,449	25,619	8,672	...	...
Wood	Timber	22,258	5,673	33,268	7,142	...	......	11,010	1,469
	Firewood	47,325	4,407	41,763	4,672	5,562	...	......	265
Wool	Wool, raw	758	1,068	1,621	1,629	......	.....	863	621
	Do., manufactured (European).	......	......	.....	...	...	......	......	......
	Wool, manufactured (Indian)	857	845	913	838	...	7	56	...
	Shawls	6	2	3	1	3	1	......	......
All other articles of merchandise		2,60,430	1,58,131	2,67,410	1,54,761	.....	3,375	6,980	...
Bones		29,489	7,456	18,031	4,336	11,458	3,120	...	......
Potatoes		27,491	12,036	17,647	2,792	9,844	9,844	......	......
Total		92,59,081	26,94,287	94,20,169	28,40,286	13,05,750	3,75,519	14,66,238	5,21,518

General remarks on the fluctuation of principal staples carried over the East Indian Railway during four weeks ended 26th May 1888.

INCREASES.

Coal and coke.—There was an increase in both the upward and downward despatches. The former was due to demands from Foreign Railways, and the latter to despatches to the Eastern Bengal State Railway *viâ* the Jubilee Bridge.

Piece-goods, European.—This increase was due chiefly to despatches from Howrah, consequent on the large number of marriages during the period.

Gunny.—Due to export traffic in grain and seeds.

Other fibres, raw.—Due to the continuance of increased despatches of hemp from Allahabad, referred to in previous reports, and also to despatches of saboy grass from Bariarpur to Bally for the manufacture of paper.

Fruits, other kinds.—Principally in betel-nuts from Howrah and Sealdah.

Rice (husked and unhusked).—There was a decrease in the weight carried, attended with a slight increase in earnings; the former was due to less despatches to Howrah, and the latter to larger despatches up-country.

Government Stores.—Chiefly in ammunition from Howrah for the Ordnance Department.

Minerals.—The increase was due to the same cause as assigned in previous months, viz., the demand in Calcutta owing to the construction of the Kidderpore Dock-works.

Iron.—Chiefly due to despatches of pig iron from Howrah to Cawnpore and Peshawar.

Salt.—There was a decrease in weight carried, attended with a slight increase in earnings; the former was due to despatches from the Bombay Baroda and Central India Railway *viâ* Agra and Cawnpore, and the latter to long distance traffic *viâ* Ghaziabad from the Punjab Salt Mines at Kheora to Patna.

Seeds.—The increase was chiefly in linseed and mustard and rape seed to Howrah for shipment to Europe.

Spices.—This is due principally to large despatches of chillies from Mokamah and stations on the Tirhoot State Railway.

Sugar, refined and unrefined.—The small increase in the earnings was due to the short distance cross traffic between Allygarh and Hathras, and Ghaziabad and Delhi, for the Bombay Baroda and Central India Railway in both cases.

Tobacco.—Due almost entirely in the despatches from Tirhoot.

Potatoes.—The increases were principally in despatches from Patna and Dinapore to Calcutta.

Bones.—Due to despatches from numerous stations to Bally, where crushing mills have been erected during the last few years.

DECREASES.

Cotton.—Due to same cause as reported last month, viz., bad crops.

Wheat.—Due to a poor demand for export and low prices in Calcutta.

Gram and pulses.—The decrease was principally from stations between Allahabad and Cawnpore.

Other rain and spring crops.—Due to larger despatches last year to Agra to meet scarcity in Rajputana.

Brass and copper.—Due to less despatches owing to high prices.

Railway material, Foreign.—The decrease was both from Howrah and *viâ* Jubbulpore, owing to the completion of the Indian Midland Railway.

N. ST. L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, *the 4th July* 1888.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 30th June 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	244,737	2,46,653 10 0	25,28,556 0	5,56,690 7 0	18,896 11 0	8,22,240 12 0	63,972½	89,082½	153,054½
Or per mile of railway ...	......	162 15 1	......	367 12 1	12 7 9	543 2 11	.....	......	......
For previous 25 weeks of half-year	6,707,118	73,64,740 1 0	7,13,68,262 30	1,64,22,618 14 1	5,26,129 13 11	2,43,13,488 13 0	1,640,730½	2,639,701¾	4,280,432
Total for 26 weeks ...	6,951,855	76,11,393 11 0	7,38,96,818 30	1,69,79,309 5 1	5,45,026 8 11	2,51,35,729 9 0	1,704,702½	2,728,784	4,433,486½
Comparison.									
Total for corresponding week of previous year	196,616	1,70,521 3 6	16,74,954 20	3,71,711 4 9	—17,802 14 3	5,24,429 10 0	45,997¾	67,475	113,472¾
Per mile of railway corresponding week of previous year	......	112 4 1	......	244 11 4	—11 11 6	345 3 11	......	......	......
Total to corresponding date of previous year	6,731,896½	72,86,167 12 11	7,04,56,418 30	1,74,03,352 14 7	4,24,926 14 6	2,51,14,447 10 0	1,726,629	2,937,105¾	4,663,734¾

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for the last 5 days ending 30th June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888.	Total decrease in 1888
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	5,31,690	350	1,513¾	8,22,241	543	1,519	1,24,07,549	628	1,513¾	1,21,62,073	618	......	2,45,476

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 30th June 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,298	4,449 7 0	67,318 10	4,471 4 0	30 2 0	8,950 13 0	1,693	701	2,394
Or per mile of railway ...	163	77 12 7	1,177 0	78 2 8	0 8 5	156 7 8	......	......	......
For previous 25 weeks of half-year	347,395*	1,76,099 7 0*	10,50,302 10†	68,891 14 0†	894 12 0‡	2,45,886 1 0	43,967	17,486	61,453
Total for 26 weeks ...	356,693	1,80,548 14 0	11,17,620 20	73,363 2 0	924 14 0	2,54,836 14 0	45,660	18,187	63,847
Comparison.									
Total for corresponding week of previous year	7,849	3,514 5 9	35,178 20	2,155 14 2	439 6 3	6,109 10 2	1,136¾	573½	1,710
Per mile of railway corresponding week of previous year ..	137	61 7 0	615 0	37 11 1	7 10 11	106 13 0	......	......	......
Total to corresponding date of previous year	349,976	1,76,224 15 8	15,20,252 0	89,496 8 9	2,108 14 0	2,67,890 6 5	42,514	24,295	66,809

* Added No. of passengers 150 and deducted Rs. 1,222 0 0 }
† Ditto Mds. 44,275-20 and ,, 601 10 0 } on account of differences between the approximate and audited returns to week ended 26th May 1888.
‡ Deducted ,, 11 2 0 }

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for the last 5 days ending 30th June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	5,913	103	57½	8,951	156	57½	1,19,161	160	57½	1,15,894*	156	......	3,267

* Deducted Rs. 632, being the difference between the approximate and audited returns to week ended 26th May 1888.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 30th June 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,352	555 10 0	9,819 30	218 4 0	11 14 0	785 12 0	285½	208	493½
Or per mile of railway ..	......	46 4 10	......	18 3 0	0 15 10	65 7 8	......	......	......
For previous 25 weeks of half-year ...	81,601*	13,776 8 0*	5,18,218 30†	13,492 10 0†	258 1 6‡	27,526 14 6	7,697½	4,742	12,439½
Total for 26 weeks ...	84,953	14,331 13 0	5,28,038 20	13,710 14 0	269 15 6	28,312 10 6	7,983	4,950	12,933
Comparison.									
Total for corresponding week of previous year ...	2,130½	384 12 8	5,489 20	113 8 3	9 0 5	507 5 4	281	76	357
Per mile of railway corresponding week of previous year ...	......	32 1 1	......	9 7 4	0 12 0	42 4 5	......	......	......
Total to corresponding date of previous year ...	80,368½	13,536 1 3	4,87,992 20	13,045 10 0	228 4 6	27,409 15 9	8,073½	4,687	12,760½

* Added No. of passengers 1,811 and Rs. 305 0 0 }
† Ditto Mds. 18,096-20 and " 1,315 15 0 } on account of differences between the approximate and audited returns to week ended 26th May 1888.
‡ Ditto " 14 8 0 }

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for the last 5 days ending 30th June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	508	42	12	786	65	12	14,601	94	12	15,839*	102	1,238	......

* Added Rs. 1,635 on account of difference between the approximate and audited returns to week ended 26th May 1888.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 30th June 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,708	3,334 12 0	79,569 20	4,107 10 0	113 3 0	7,555 9 0	641	1,730½	2,371½
Or per mile of railway ...	......	44 9 4	......	54 14 8	1 8 2	101 0 2	......	......	......
For previous 25 weeks of half-year ...	134,321*	97,095 8 0*	22,29,681 30†	1,04,699 10 0†	2,698 0 0‡	2,04,493 2 0	16,511½	38,154½	54,666
Total for 26 weeks ...	139,029	1,00,430 4 0	23,09,251 10	1,08,807 4 0	2,811 3 0	2,12,048 11 0	17,152½	39,885½	57,037½
Comparison.									
Total for corresponding week of previous year ...	3,867½	2,743 6 9	69,954 30	1,703 15 9	247 7 1	4,694 13 7	469½	893	1,362½
Per mile of railway corresponding week of previous year ...	......	36 10 10	......	22 12 6	3 4 11	62 12 3	......	......	......
Total to corresponding date of previous year ...	155,706	1,19,852 8 3	26,21,897 30	1,12,833 13 6	2,999 12 0	2,35,686 1 9	18,974	32,369½	51,343½

* Added No. of passengers 175 and Rs. 151 0 0 }
† Ditto Mds. 62,594-20 and " 688 7 0 } on account of differences between the approximate and audited returns to week ended 26th May 1888.
‡ Ditto " 37 5 0 }

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for the last 5 days ending 30th June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	4,550	61	74½	7,556	101	74½	1,14,002	117	74½	1,05,594*	109	......	8,408

* Added Rs. 877 on account of difference between the approximate and audited returns to week ended 26th May 1888.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 30th June 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	20,960	5,322 0 0	7,823 20	252 8 0	9 10 0	5,584 2 0	901	67	968
Or per mile of railway ...	......	239 3 1	......	11 5 7	0 6 11	250 15 7	......	......	......
For previous 25 weeks of half-year ...	661,129*	1,46,940 14 0*	2,06,799 30†	7,462 14 0†	172 5 3‡	1,54,576 1 3	22,539	1,837	24,376
Total for 26 weeks ...	682,089	1,52,262 14 0	2,14,623 10	7,715 6 0	181 15 3	1,60,160 3 3	23,440	1,904	25,344
Comparison.									
Total for corresponding week of previous year ...	14,862½	3,776 7 1	4,708 20	168 5 9	5 3 5	3,950 5 3	646½	50	696½
Per mile of railway corresponding week of previous year ...	.....	169 11 8	......	7 9 1	0 3 11	177 8 8	......	......	......
Total to corresponding date of previous year ...	535,398	1,39,071 14 7	2,14,031 0	7,467 13 0	194 5 0	1,47,634 0 7	24,212	1,462	25,674

* Added No. of passengers 511 and Rs. 120 0 0 }
† Ditto Mds. 631-30 and deducted „ 131 10 0 } on account of differences between the approximate and audited returns to week ended 26th May 1888.
‡ Deducted „ 12 10 0 }

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for the last 5 days ending 30th June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	3,949	177	22½	5,584	251	22½	77,070	266	22½	84,307*	291	7,237	......

* Deducted Rs. 24 on account of difference between the approximate and audited returns to week ended 26th May 1888.

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 23rd June 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	170,187	a76,086 0 0	5,21,034 0	72,793 0 0	11,266 0 0	1,60,145 0 0	22,500	19,000	41,500
Or per mile of railway ...	253	113 0 0	775 0	108 0 0	[illegible] 0 0	223 0 0	......	......	......
For previous 24 weeks of half-year ...	3,151,113	16,47,219 0 0	1,28,19,902 0	18,40,217 0 0	3,50,877 0 0	*38,38,312 0 0	528,809	557,409	1,086,218
Total for 25 weeks ...	3,321,300	17,23,804 0 0	1,33,40,936 0	19,13,010 0 0	3,62,143 0 0	39,98,457 0 0	551,309	576,409	1,127,718
Comparison.									
Total for corresponding week of previous year ...	164,003	63,938 0 0	b7,48,118 0	60,144 0 0	c43,253 0 0	1,67,335 0 0	20,146	13,944	34,090
Per mile of railway corresponding period of previous year ...	254	99 0 0	1,160 0	93 0 0	†42 0 0	234 0 0	......	......	......
Total to corresponding date of previous year ...	3,423,155	15,74,120 0 0	1,41,08,564 0	18,86,028 0 0	3,48,016 0 0	38,08,164 0 0	480,512	493,750	974,262

* Audited up to week ending 19th May 1888.
a Due to Dashohara bathing festivals.
b Including B. train.
c Do. interest on flat and E. I. Railway running power charges, &c.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Eastern Bengal State Railway.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked per week.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,67,335	259	672	1,60,145	238	645	17,27,491	223	675	*17,34,550	214	7,059	......

* Audited up to 19th May 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	59,900	†19,110 0 0	84,453 0	2,140 0 0	72 0 0	21,322 0 0	3,868	2,000	5,868
Or per mile of railway	319	153 0 0	276 0	17 6 0	1 0 0	171 0 0	......	......	.....
For previous 24 weeks of half-year	631,870	2,12,322 0 0	11,70,574 0	76,643 0 0	4,319 0 0	*2,93,984 0 0	85,751	42,737	128,488
Total for 25 weeks ...	671,770	2,31,432 0 0	12,14,027 0	78,783 0 0	4,391 0 0	3,14,606 0 0	89,619	44,737	134,356
Comparison.									
Total for corresponding week of previous year	28,148	14,108 0 0	32,380 0	2,177 0 0	791 0 0	17,136 0 0	3,100	2,080	5,180
Per mile of railway corresponding period of previous year ...	228	113 0 0	259 0	18 0 0	6 0 0	137 0 0	......	......	......
Total to corresponding date of previous year	600,817	2,30,931 0 0	10,25,834 0	67,743 0 0	1,970 0 0	3,00,644 0 0	88,728	42,786	131,514

* Audited up to 19th May 1888.
† Dashohara bathing festival.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	17,136	137	125	21,322	171	125	1,63,074	109	125	*1,47,878	99	......	15,79

* Audited up to 19th May 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,010	5,241 0 0	4,010 0	444 0 0	53 0 0	5,738 0 0	2,141	963	3,104
Or per mile of railway	174	61 0 0	47 0	5 0 0	1 0 0	67 0 0	......	......	......
For previous 24 weeks of half-year	324,144	1,01,025 0 0	3,48,247 0	19,560 0 0	4,034 0 0	*1,24,619 0 0	51,370	23,196	74,566
Total for 25 weeks ...	339,154	1,06,266 0 0	3,52,257 0	20,004 0 0	4,087 0 0	1,30,357 0 0	53,511	24,159	7,670
Comparison.									
Total for corresponding week of previous year	13 433	4,963 0 0	a31,948 0	a728 0 0	—651 0 0	5,040 0 0	2,702	280	2,982
Per mile of railway corresponding period of previous year	156	58 0 0	371 0	8 0 0	— 7 0 0	59 0 0	......	......	.....
Total to corresponding date of previous year	325,070	1,06,784 0 0	4,98,444 0	34,020 0 0	4,879 0 0	1,45,683 0 0	61,011	22,176	83,187

* Audited up to week ending 19th May 1888.
a Includes Ballast train.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	5,040	59	86	5,738	67	86	62,117	60	86	58,699	57	......	3,448

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 23rd June 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	5,126	1,684 0 0	28,723 0	2,429 0 0	187 0 0	4,300 0 0	546	546	1,092
Or per mile of railway ..	131	43 0 0	736 0	62 0 0	5 0 0	110 0 0	......	......	......
For previous 24 weeks of half-year	68,099	25,094 0 0	6,36,866 0	51,479 0 0	1,017 0 0	*77,590 0 0	13,104	13,104	26,208
Total for 25 weeks ...	73,225	26,778 0 0	6,65,589 0	53,908 0 0	1,204 0 0	81,890 0 0	13,650	13,650	27,300
Comparison.									
Total for corresponding week of previous year	3,094	973 0 0	50,638 0	1,246 0 0	14 0 0	2,233 0 0	539	539	1,078
Per mile of railway corresponding week of previous year ...	79	25 0 0	1,298 0	32 0 0	......	57 0 0	......	......	.....
Total to corresponding date of previous year	32,556	10,620 0 0	3,07,695 0	27,654 0 0	346 0 0	38,620 0 0	6,622	6,622	13,244

* Audited up to week ending 19th May 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 25th June 1887.			Receipts for week ending 23rd June 1888.			Total receipts from 1st April 1887 to 25th June 1887.			Total receipts from 1st April 1888 to 23rd June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	2,233	57	39	4,300	110	39	38,620	83	39	*41,500	89	2,880	......

* Audited up to week ending 19th May 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 30th June 1888, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,428	1,253 15 4	7,190 0	504 4 0	15 0 11	1,773 4 3	509	254	763
Or per mile of railway	126	46 0 0	264 0	18 8 0	0 9 0	65 1 0	......	......	......
For previous 25 weeks of half-year	84,024	31,097 0 8	3,54,115 0	20,615 12 0	497 15 1	52,210 11 9	12,725	10,205	22,930
Total for 26 weeks ...	87,452	32,351 0 0	3,61,305 0	21,120 0 0	513 0 0	53,984 0 0	13,234	10,459	23,693
Comparison.									
Total for corresponding week of previous year	2,733¾*	978 3 10	8,501 0	575 13 0	—7 6 5	1,546 9 5	363	182	545
Per mile of railway corresponding period of previous year .	100	35 14 0	312 0	21 2 0	—0 4 0	56 12 0	......	......	......
Total to corresponding date of previous year	80,254	30,241 1 6	3,10,153 30	18,511 10 11	501 14 6	(a)49,349 10 11	12,224	9,351	21,575

* Average receipts for 5 days, out of last 12 days of June 1887, have been shown here.
(a) Includes figures for Supplementary adjustments.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for last 5 days of June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	1,547	57	27¼	1,778	65	27¼	23,296(a)	66	27¼	24,957	71	1,661	......

(a) Includes figures for Supplementary adjustments.

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 30th June 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	34,995	11,918 14 10	176,432 10	15,949 3 0	3,000 0 1	30,868 1 11	5,765	6,017	11,782
Or per mile of railway	135	46 0 0	681 0	61 9 0	2 11 0	110 4 0*	......	......	......
For previous 25 weeks of half-year	1,069,326	4,10,596 1 2	48,32,563 30	5,12,308 13 0	83,208 15 11	10,06,110 14 1	153,077	191,807	344,884
Total for 26 weeks ...	1,104,321	4,22,512 0 0	50,08,996 0	5,28,258 0 0	86,209 0 0	10,36,979 0 0	158,842	197,824	356,666
Comparison.									
Total for corresponding week of previous year on 249 miles open	(a)26,221	9,883 13 8	1,40,113 30	11,991 13 5	3,466 10 3	25,342 5 4	4,204	5,183	9,387
Per mile of railway corresponding week of previous year ...	105	39 11 0	563 0	48 3 0	3 11 0	91 9 0*	......	......	......
Total to corresponding date of previous year	(b)1,001,517½	3,82,850 3 6	44,58,101 10	4,35,088 13 0	89,126 0 4	9,07,065 0 10	141,720	163,973	305,693

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."
(a) Average receipts for last 5 days, out of last 12 days of the corresponding period of 1887, have been shown here.
(b) Includes figures for Supplementary adjustments.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for the last 5 days of June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	25,342	102	259	30,868	119	249	(a)4,55,333	141	259	4,79,199	142	23,866	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 23rd June 1888	15,332
Corresponding week last year	11,972
Increase	3,360
Receipts from 1st January to 23rd June 1888	2,63,357
From 1st January to 25th June 1887	2,05,578
Increase	57,779
	Miles.
Miles open week ending 23rd June 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 23rd June 1888	300 10 0
Corresponding week last year	234 11 11
Increase	65 14 1

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RESOLUTION ON THE REPORT ON INLAND EMIGRATION FOR THE YEAR 1887.

GENERAL DEPARTMENT —INLAND EMIGRATION

Calcutta, the 12th July 1888.

RESOLUTION.

READ—

The Report on Inland Emigration for the year 1887

The Report has been submitted with punctuality by Dr. Grant, who continued to be in charge of the office of Protector of Emigrants throughout the year, while Dr. Chandra was again the Medical Inspector in Calcutta, and Dr. Vincent Richards held the dual appointment of Embarkation Agent and Medical Inspector at Goalundo.

2. The only administrative change of importance which occurred was the revision of the form of way-bills for contractors and sardari emigrants, so as to dispense with the inspection formerly insisted upon at Mugra, but rendered unnecessary by the opening of the Hooghly Bridge and the consequent uninterrupted passage of emigrants from the East Indian to the Eastern Bengal line. It is reported also that the removal of the terminus of the latter Railway from Goalundo to Rajbaree, necessitated by the rapid erosion of the riverbank, led to a corresponding transfer of arrangements for the embarkation of emigrants

3. The principal feature in the report is the great increase shown in the emigration of labourers recruited without reference to the Act. These are called free emigrants, though, as they are conveyed in large batches at the cost of contractors and execute labour contracts at Dhubri on their entering into Assam, their actual position during the journey and their eventual legal position are the same as that of the labourers whose recruiting and whose journey are supervised by Government. The number of these free emigrants to Assam was 21,851, as against 13,134 in the preceding year, and there was also considerable emigration to Cachar and Sylhet, as to the extent of which the Protector can supply no information. A virulent outbreak of cholera, which occurred since the close of the year among coolies travelling by the line most frequented by these unregistered emigrants, has led to suggestions, now under consideration, for the sanitary supervision of all coolie traffic to Assam. It appears that in regard to the circumstances under which they are collected, detained in depôts, and forwarded to Assam, there is no distinction whatever between free coolies and others; so that the necessity for sanitary control is the same in respect of the two classes of emigrants.

4 Two agencies are employed for recruiting under the Act—that of licensed contractors, and that of garden-sardars authorised by the employers of labour. The former recruited 2,945 labourers, as against 2,924 in 1886; the latter 6,748 as against 10,124. From these figures it would appear that the unlicensed recruiting referred to in the last paragraph, having almost superseded the work of the contractors, is now rapidly ousting that of the garden-sardars. It is observed with satisfaction that only one license, a recruiter's, had to be cancelled on account of the holder's misconduct. Ten sardarnis were employed in recruiting females, and these are said to have, as far as is known, worked satisfactorily.

5 From the statement showing the districts of registration and of residence of emigrants. it appears that the 24-Pergunnahs and Burdwan in Bengal, and Shahabad in Behar, are the largest recruiting grounds, and that the proportion of emigrants who were natives of the districts in which they were registered, was largest in Hazaribagh and Bancoorah, and smallest, as usual, in the 24-Pergunnahs and Burdwan, where registration was most active. Dr. Grant has supplied no illustrative maps of the kind recently suggested by Government, and it is explained that the omission was due to his ill-health and hurried departure from India on sick leave. In this instance, however, a map based on the statements referred to would be of comparatively little value, as the figures apply only to the small body of coolies recruited through contractors.

6. The aggregate number of contractors' emigrants and their dependents was reduced, prior to arrival at Calcutta, by the low percentage of 1·70, there being no deaths, and the results at this stage comparing favourably with those of the preceding year. The percentages of rejections and discharges fell from ·48 to ·23 and from 6·56 to 6·10 respectively, but that of desertions rose from 8·52 to 14·66, an increase which is said to have been due for the most part to a large number of coolies absconding, in their impatience for work, from one of the depôts on the decline of the business of a contractor, who had subsequently to retire from the field altogether.

7 The depôts are reported to have been maintained throughout the year in a condition favourable to the health of their inmates, and no overcrowding occurred. The food provided for the coolies was sufficient, wholesome, and well cooked, while the hospitals were properly maintained, and the supply of drugs and other necessaries was adequate. All the coolies received into the depôts were vaccinated, none being allowed to proceed to the labour districts except after successful subjection to the operation, and the general health of the depôt population contrasted favourably with that of 1886, itself a healthy year, the death-rate showing a reduction from 2·4 to 1·3 per mille of the total number of admissions. It was pointed out in the Resolution upon last year's report that the number of rejections, although small, might be still further reduced if greater strictness were observed in the medical inspection of emigrants prior to their despatch from the recruiting districts, and the satisfactory decrease in 1887 is no doubt correctly attributed to an improvement in the direction thus indicated. During transport on board the river steamers to Assam,

only two deaths, one of which was due to cholera, occurred; and the general accommodation, water-supply and sanitary arrangements during the voyage are shown by the remarks of inspecting officers on the way-bills to have been satisfactory. The mortality among coolies during the voyage to Cachar and Sylhet, generally made in country boats, was less than in 1886: but the number of desertions was much larger, the latter result being ascribed in some measure to the circumstance that emigrants in boats have to stop at Naraingunge, where they are said to be enticed away, or induced to abscond and take employment in the jute mills of that place. The remarks in this paragraph refer only to the comparatively small proportion of emigrants making contracts under the Act in the districts of recruitment, as those who execute contracts at Dhubri, forming the greater part of the whole supply of articled coolies, are not subject to sanitary supervision while in Bengal.

8. Particulars of the journeys of sardari emigrants are again incomplete, only 2,280 of a total of 2,802, whose contracts for Sylhet and Cachar were registered in the recruiting districts, having been accounted for by the receipt of 298 batches of way-bills, and no information being available regarding the remaining 522. The percentage of total casualties in 1887, as far as can be judged, was 7·19 against 6·77 in 1886, and this excess occurs exclusively in the number "left behind." It is, as the Protector remarks, much to be regretted that the way-bills are not carefully filled in at each of the inspecting stations.

9. The Lieutenant-Governor has to acknowledge Dr. Grant's efficient administration of the Department during the year under report.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Govt. of Bengal.

ADMINISTRATION REPORT OF THE METEOROLOGICAL DEPARTMENT, 1887-88.

The following report is published for general information.

By order of the Lieutenant-Governor of Bengal,

REVENUE DEPT., P. NOLAN,
The 16th July 1888. *Secretary to the Government of Bengal.*

IN connection with the discussion of the desirability of generally shortening the Administration Reports of the Departments of Government, it has been decided that in future the Meteorological Reporter is to submit for two years only brief accounts of the principal points in connection with the administration of his Department, while every third year he is to prepare full, detailed and comprehensive reports for the three yearly periods. The present report may therefore be taken to be the first of the triennial series, and only the more important changes in the history of the Bengal Meteorological Department during the year 1887-88 will be touched upon, and all descriptions as to the working of the individual observatories, &c., under the control of the Meteorological Reporter, and similar details will be held over till the preparation of the report for 1889-90.

The Department was at the commencement of the official year under the control of the permanent head of the Department, Mr. John Eliot; but on his appointment to act as Officiating Meteorological Reporter to the Government of India, the Department was entrusted to my care, and I have remained in charge up to the close of the official year.

The largest amount of change in the work of the Department introduced during the year under review has been in the storm warning signal service.

The official position which the Meteorological Reporter occupied previously with respect to issuing warnings of the formation and approach of storms was that he was expected specially to give notice of the occurrence of storms in the Bay, which were likely to affect the ports of Calcutta and Chittagong, while he was also to give general information as to the existence of storms in the Bay. As a matter of fact, however, the Bengal Meteorological Reporter has for some years made it a practice to telegraph warnings of the existence of severe storms in the Bay to the various ports which were likely to be affected by the storm, but such warnings had no official status, and it rested entirely with the discretion of the officials at the ports warned, whether they made any use of the information supplied to them or not. On the other hand, also, the Bengal Reporter had never been empowered to issue such warnings to any ports, except those above named, and it was purely discretionary on his part to take up this extra work.

Storm signals were indeed only supplied to the ports of Calcutta and Chittagong and to the Telegraph stations in the river approaches to Calcutta. The signals used differed largely in complexity, and in the amount of information which could be afforded by them. At the stations in the river approaches to Calcutta it was possible for the Meteorological Reporter by means of appropriate signals to warn the shipping proceeding up or down the river of the size and intensity of a storm in the Bay, and of the probable position in which the storm would reach the coast. These signals were, however, not allowed by the port authorities to be displayed in Calcutta, and only a small code of signals was provided for the port of Calcutta, notifying the actual existence of or the approach to the port of large and very fierce cyclones. It had thus happened on several previous occasions that after ships had left their safe anchorages in the port, and were proceeding down the river, they were met with the display of storm signals giving them information of the existence of stormy weather, which rendered it undesirable for them to proceed to sea. In other words ships were allowed to leave the Port and to proceed some distance towards the danger without being apprized of it, when the information could equally well have been communicated to them before they left the port. In the case

of Chittagong, a very simple code of two day and two night signals was employed, one a warning signal and the other a danger signal of similar nature to those used generally in such cases.

This condition of the storm warning service has, however, been completely changed during the year 1887-88. By a notification issued on the 4th of August 1887, the use of the comprehensive system of signals, which was devised by Mr. Eliot, and which signals were formerly only able to be hoisted in the river approaches to Calcutta, has been extended to the port of Calcutta itself. For the future full information of the formation and course of all important cyclonic storms, whether large or small, can be communicated to the shipping lying in the port of Calcutta, and also in the same way to the inhabitants of the town. The opportunity of the issue of a new notification was also taken to alter the meaning of one of the signals, and a *bad weather preparatory signal* has been introduced, the meaning of which is that a cyclonic storm of undetermined intensity and magnitude has formed in the Bay, but which is too far distant to enable its line of advance to be determined. By a second notification issued on the same day the duties of the Meteorological Reporter were extended to the warning of the Orissa Ports (Pooree, False Point, Balasore, and Chandbally) of the existence of storms, and of ordering the hoisting of the storm signals at those ports. By the third notification issued on the same day the duty of the Meteorological Reporter in warning the port of Chittagong of the existence and approach of storms and of ordering the hoisting of the signals was again officially recognized, and at the same time the opportunity was taken of amending the wording and meaning of the signals. The signals used in the case of the Orissa ports and at Chittagong are similar to those formerly used at Chittagong, *i.e.*, there are two day and two night signals, the first being the warning and the second the danger signal. It will thus be seen that the Bengal Reporter is charged with the duty of actually ordering the hoisting of the storm signals at all the ports on the coasts of Bengal.

With the permission of the Governments of India and Bengal, the Governments of Madras and of Burmah also issued orders and notifications by which the Bengal Reporter was charged with the duty of giving information of the existence of storms to the ports on these coasts. Owing, however, to certain misunderstandings, the systems adopted by the two Governments differed from each other, and also differred from that sanctioned in Bengal, and in certain cases the Bengal Reporter was asked to undertake responsibilities which were very undesirable. In order to bring about more uniformity in the system of issuing storm warnings, Mr. Eliot, Officiating Meteorological Reporter to the Government of India, visited both Madras and Burmah, and an uniform method of conveying warnings has been arranged by which the Bengal Reporter has to give full information of the formation, growth and line of march of cyclonic storms in the Bay to the Port Officers of the Ports likely to be affected, either direct or through certain selected Port Officers, but the Reporter is not charged with the duty of actually ordering the hoisting of the storm signals, and the Port Officers will utilize the meteorological information conveyed to them in conjunction with their knowledge of local conditions, and the circumstances of the ports, &c., in deciding when it is necessary to hoist the warning or the danger signals and when to lower them. The regulations for working the Burmah and Madras storm signals, which are very clear and precise, were arranged at the close of the official year, and the actual orders of the Meteorological Reporter to the Government of India communicating these revised regulations were received on 5th April 1888.

It will thus be seen that the arrangements for working the storm signal service are now complete, and the Bengal Reporter has to warn all ports from Tavoy in the south of Burmah round the whole Bay down to Tuticorin in the extreme south of the Madras Presidency, or roughly he has to warn a coast line about 2,400 miles in length. The work of the Bengal Reporter has therefore been increased very decidedly, and the responsiblility of his work under these new arrangements is very great indeed.

In many respects the arrangements for working the storm signals in Burmah and Madras are more satisfactory than those in the case of the Bengal ports, including Calcutta. In the case of the signals used in Calcutta and the river approaches, in addition to the meteorological information which they convey,

they are in many cases actual orders to shipping, and it does not appear desirable to make the Meteorological Reporter responsible for giving advice as to whether a ship should or should not be allowed to go to sea when he is extremely ignorant of the capabilities of the various kinds of ships in meeting heavy weather, and as he is quite ignorant of the peculiarities of the river Hooghly, both of which would be important factors in advising in any case. Further, in issuing orders for hoisting storm signals in the other ports he is completely in ignorance of what the signals are intended to protect, for at such a place as False Point the signals might be intended to give warnings to large steamers such as those of the British India Company, while at other ports small steamers, country boats, &c., might only be in harbour, which would be unable to withstand a gale perhaps only a fifth as strong as in the former case. Again the Reporter is perfectly ignorant of the local peculiarities of all the outports. The position which the Bengal Reporter takes up in this matter has been brought to the notice of Government during the past year in several communications. The Port Commissioners and the Port Officer of Calcutta were also consulted in the matter, but they are averse to any change being made in the present system of issuing warnings and hoisting the storm signals, and this responsibility thus still rests with the Reporter.

In order to render the information at the disposal of the Bengal Reporter for working the storm warning system as complete as possible under existing circumstances, sanction was accorded by the Government of India to the inclusion of a larger number of reporting stations in those sending telegraphic information to Calcutta for the daily report. In this way the observations from the meteorological stations at Rangoon, Moulmein and Bassein are now being included, and sanction was also accorded to the establishment of five new observatories for inclusion in the system. Of these five, the Tavoy observatory in South Burmah was established in March 1888, and is now sending daily telegrams. An observatory at Pooree on the Orissa coast was established before the close of the official year, but there has been a little delay in establishing the three new stations on the Madras coast at Nellore, Cuddalore and Bimlipatam, but steps have been taken to establish them as soon as possible. The cost of this extension of the storm signal service is Rs. 12,500 annually, but almost the whole of this sum (about nine-tenths) is simply for the cost of telegrams. When these new stations are thoroughly started, the information at the disposal of the Bengal Reporter will be fairly complete, though so long as there is no telegraphic communication with the Andaman Islands, and it is thus impossible to obtain meteorological observations from that place, the most important area in connection with the generation of cyclones or what is sometimes called the birthplace of cyclones remains entirely unrepresented. The subject of connecting the Andaman Islands by telegraph with the main land was prominently brought forward during the year under review in connection with the generation of the Balasore cyclone, but hitherto it has been impossible to secure this most desirable result.

In connection also with the generation of cyclones in the extreme south of the Bay, and from which area storms usually advance towards the South Madras coast, the meteorological station at Nancowry in the Nicobar Islands would be a very valuable addition to the present list of stations; but here again there is the difficulty that there is no telegraphic communication between these islands and the main land.

Lastly, in connection with the advance of cyclones towards the north-west angle of the Bay, and towards the mouth of the Hooghly, by far the most important station to enable early warning of the precise intensity of a storm to be given to the port of Calcutta would be the Eastern Channel Light-ship; and if it were possible to connect this observing station with Saugor Island by telegraph, it would enable *certain* information of the intensity of storms at the head of the Bay to be communicated to the port of Calcutta at least six hours earlier than is possible under existing circumstances.

In the future developments of the storm signal service the connection of the Andaman Islands, the connection of the Eastern Channel Light-ship, and of the Nicobars by telegraph with the main land should be steadily kept in view.

It has been stated in previous annual reports that next in importance to the Andaman Islands Observatory in affording information of the generation

of cyclones, the Diamond Island Observatory gives the most important observations, and it has been regretted that on numerous occasions the Diamond Island telegraph line has become interrupted just at the most critical periods. The cause of the interruption has been ascertained to be due to no fault of the officials in charge, but that the telegraph line passes through a narrow belt of cleared forest in joining with the main system of telegraphic communication, and thus at the very commencement of stormy weather trees were blown down or branches broken off, which falling on the line destroyed the communication, as stated previously, at the precise period when its observations became of great value. This fact was once more brought into prominence in the history of the Bâlasore cyclone, when again this line became interrupted, and the Government of India has since decided to widen the belt of cleared forest through which the line passes at a cost of Rs. 19,500, and thus it is to be hoped that in future there will be no fear of interruption in this important part of the service.

As it is of the utmost importance that information of the approach of, or even of the existence of, stormy weather, should be conveyed to ports with the least possible delay, the Director-General of Telegraphs has arranged that when it is necessary for the Meteorological Reporter to issue orders directing the hoisting of storm-signals, or when it is necessary for him to call for additional observations to enable him to decide on the nature and track of a storm, he shall have power to issue or call for precedence telegrams, which shall rank before ordinary urgent telegrams in priority of despatch. This is, however, only one of the many ways in which the Meteorological Department is indebted to the Telegraph Department

In order also to facilitate the receipt of the weather messages, and thus to enable the reports of this Department to be issued, or the necessary action in the matter of issuing storm-warnings to be undertaken with the least possible delay, a change has been introduced in the method of receiving the messages in this office.

Hitherto the method of receiving telegrams in the Meterological Office direct from the Central Telegraph office has been by what is called the ABC instrument. This method of telegraphing is admittedly very slow, and the instrument frequently gets out of order. With a view to obviate this, an additional clerk, who was taken on at the time of the extension of the storm signal service, was selected for his knowledge of the system of Morse telegraphy, and also five of the clerks of this office have since been trained in the same system, and there is now no difficulty in receiving the meterological telegrams in this office by this method, which is undoubtedly the most rapid system known. By this means the weather reports can be prepared and issued much earlier than was formerly the case, and the telegrams for the Bay of Bengal Daily Weather Report are now received, the observations reduced, charted, &c., and the report written and printed off about two and-a-half to three hours after the observations are actually made, instead of about five hours after as was the case in former years. A great part of this acceleration is also due to the very rapid manner in which the telegrams are now sent in by the Telegraph Department, and I have to thank Mr. Blissett, Chief Superintendent of Telegraphs, Bengal Division, for the very great help this Department has received at his hands, both in the acceleration of the telegraphic work generally and in the matter of training the clerks in telegraphy.

Another point of importance in connection with the issue of the Bay of Bengal Daily Weather Report is to be introduced at the commencement of the next official year, or on 1st April 1888. The time at which the observations are made is to be changed from 10 A.M. as in former years to 8 A.M., and the experiment is at present ordered to last till the end of 1888. The 10 A.M. observations are also being continued at all the Bengal stations which telegraph daily for the report, and the funds for the payment of the extra observations have been supplied by the Meteorological Reporter for India, who will subsequently decide as to which hour of observation should be continued for the future. The change in the hour of observations, together with the acceleration in the service previously mentioned, will now enable me to commence the issue of the printed report daily at about 10-45 A.M. instead of at 3-30 or 4 P.M., as has been the case in former years. The advantages of the

acceleration are obvious. Storm warnings, if necessary, can be issued early in the day or about 9 or 10 o'clock directly the 8 A.M. telegrams are received. Also the weather report will be in the hands of the port authorities, the masters of ships, shipowners, and others interested in the weather and shipping early in the business day instead of at its close as was formerly the case.

In connection with the storm signal service it must be also mentioned that during the formation and existence of the Balasore cyclone warnings of its formation and line of march were issued widely to all the principal ports round the Bay, and on its approach towards the head of the Bay storm-signals were displayed in the river approaches from 8-25 A.M. of 25th May to 7 A.M. of the 27th May. Detailed reports have been submitted during the year as to the action taken by me during the Balasore cyclone, and therefore the matter need not again be detailed here. The Balasore cyclone was an extremely fierce one, and a history of its formation, &c., has been prepared by Mr. Eliot, Officiating Meteorological Reporter for India, and published as Part I of the Cyclone Memoirs. The second occasion on which the signals were hoisted in the river was from 1 P.M. of the 12th June to 12-30 P.M. of the 13th, during the advance of another cyclonic storm to the Orissa coast. In addition to these two storms there were very numerous rainy season whirls or smaller cyclonic storms. These, however, will only be described in the usual meteorological summary for the year, which is prepared later on, and no description of the cyclonic storms formed in the Bay will appear in the Administration Report.

The above represents a short summary of the principal changes which have been introduced in the working of the Department during the year, and, generally speaking, in other respects the system of work which has obtained in former years has been maintained.

The following was the number of stations reporting observations to this Department during 1887-88 :—

1st class Imperial observatory	1
2nd „ „ observatories	2
3rd „ „ „	21
3rd „ Provincial „	28
Other stations reporting for the storm-warning service only ...	10
4th class stations or stations, where records of rainfall only are made	250

Compared with the previous year these numbers show the following additions :—

3rd class Provincial observatories	
Rainfall station	1

Of these stations the following were the numbers inspected during the year :—

2nd class observatory	1
3rd „ observatories	28

and the majority of the stations with a few bad exceptions were found in good order. Of those inspected, the observatories at Julpaiguri, Malda and Purneah were in decidedly bad order, while of the other observatories the records submitted from Tezpore were valueless, being full of errors; and this observatory is perhaps the worst in the whole system.

Some changes have been introduced during the year in the work of some of the observatories by order of the Meteorological Reporter to the Government of India. Thus the synoptic observations taken at Patna, Chittagong, Sibsagar, Dhubri. Hazaribagh, and Cuttack in connection with the international reports of the United States Signal Service have been stopped. The use of the solar radiation and grass radiation thermometers at all the observatories previously using them in Bengal has been discontinued except at Dhubri, Darjeeling, and Silchar. On the other hand, special extra observations have been ordered to be made during the current year at Dhubri to enable this station to complete the required amount of records as a second class observatory, and at the end of 1888-89 this station will be reduced to one of the third class; and lastly, the special allowances for meritorious service which were previously drawn by several observers in Bengal, have been stopped, as the Government of India has withdrawn the whole of these allowances, as they do not appear to have brought about the general improvement of the observations which it was hoped they would have done.

In the office establishment there have been no radical changes during the year, and there has only been the addition of one clerk which was necessary in connection with the extension of the storm signal service. The whole office establishment has worked most satisfactorily throughout the year, and the various daily, weekly, monthly, and special reports with maps, etc., have been published regularly and submitted up to date throughout the year without break of any kind.

The following statement gives the expenditure on account of the Bengal Meteorological Department during the year 1887-88 as kept in the books of this office, together with the sanctioned grants under each head :—

Financial statement for 1887-88.

Heads of Expenditure.		Actual expenses incurred during 1887-88.			Budget grant for 1887-88.		
		Rs.	A.	P.	Rs.	A.	P.
Meteorological Reporter's allowance		5,400	0	0	5,400	0	0
Office establishment		7,146	3	3	7,202	0	0
Office rent (included in the India Office budget)		......			......		
Observers ...	Telegraph masters	2,100	0	0	8,040	0	4
	Native observers	3,360	0	0			
	Provincial observers	2,977	11	6			
Messenger's allowances...		141	0	0	141	0	0
Allowance to the Superintendents of Observatories		360	0	0	360	0	0
Central Office.							
Contingent and office furniture		1,043	3	0	1,000	0	0
Postage		1,071	8	0	2,000	0	0
Telegraphic messages		22,938	9	0	30,940	0	0
Travelling allowances		991	15	0	1,030	0	0
Observatories.							
Building and repairs		1,216	2	6	1,300	0	0
Contingent of the observatory		23	15	6	24	0	0

METEOROLOGICAL OFFICE, BENGAL,
The 16th June 1888.

ALEX. PEDLER,
Offg. Meteorological Reporter to the Government of Bengal.

RETURNS OF JOINT-STOCK COMPANIES FOR THE YEAR 1887-88.

No. I.

Statement showing the name and number on the register borne by each Joint-Stock Company registered in the Calcutta Registry Office, with its object, nominal capital, and date of registration during the year ending 31*st March* 1888.

Number borne by each Company in the general register.	Name of Company.	Object of each Company.	Date of registration.	Nominal capital.	Remarks.
538	Raneegunge Cement and Lime Works, Ld.	To manufacture portland and other cements and lime, &c.	3rd June 1887	3,00,000	
540	Ghatail Sanmiloni Dhan Bhandar Co., Ld.	Banking business	27th July „	20,000	
541	Mofussil Supply Co., Ld.	To import goods for supplying the wants of mofussil	4th Aug. „	10,000	
542	Kurigram Loan office, Ld.	Banking business	4th Aug. „	10,000	
543	Bengal Science and Art Union, Ld.	Manufacturing scientific and other instruments	5th Aug. „	1,50,000	
545	Triton Insurance Co., L. d., ..	Insurance business	5th Sept. „	22,50,000	
546	Khulna Loan Co., Ld., ...	Banking business	15th Sept. „	15,000	
547	Reliance Marine Insurance office, Ld.	Insurance business	9th Nov. „	20,00,000	
548	Assensole Railway Co-operative Ice and Ærated Water Society, Ld.	To sell ice and ærated water ...	30th Nov. „	16,000	
549	Indian Tea Supply Co., Ld.	Business of Indian tea-dealers ...	8th Dec. „	3,00,000	
550	Jetinga Valley Tea Co., Ld.	To cultivate tea	25th Feb. 1888	3,00,000	
539	East India Trade and Outfit Co., Ld.	To promote the manufacture of shirts and other clothings	16th July 1887		Ten members limited by guarantee.
			Total	53,71,000	

No. II.

Statement showing the register number and name of Companies that have increased their capital during the year ending 31*st March* 1888.

Number in list.	Register number borne by each Company.	Date of registration.	Amount of original capital.	Names of Companies.	Date of increase.	Amount of increased capital.	Remarks.
			Rs.			Rs.	
	437	25th April 1882	1,20,000	Ellenbaree Tea Co., Ld. ...	11th October 1887	30,000	
	510	21st March 1885	2,40,000	Hope Tea Co., Ld.	10th January 1888	1,20,000	
	436	8th November 1882	7,00,000	Calcutta Steam Navigation Co., Ld.	21st „ „	1,40,000	
					Total ...	2,90,000	

No. III.

Statement showing the register numbers and name of Companies that have commenced winding up, have been finally dissolved, or are otherwise defunct, with their capital, date of registration, winding up, or final dissolution, during the year ending 31*st March* 1888.

Number of this list.	Number borne by each Company on the register.	Names of Companies.	Nominal capital.	Date of registration.	Date of winding up.	Date of final dissolution.	Date on which written off defunct.	Remarks.
			Rs.					
1	471	Jheel Press Co., Ld. ...	1,50,000	14th May 1883	5th April 1887			
2	441	Raneegunge Ice Manufacturing Co., Ld. ..	40,000	5th July 1882	1st May 1886	13th April 1887		
3	497	Behar Tramways Co., Ld.	4,00,000	10th May 1884	11th June 1887			
4	491	Ramree Oil Prospecting Co., Ld.	32,000	6th Feb. „	......	......	7th June 1887	
5	436	Shaik Ahmed & Co , Ld.	1,00,000	11th April 1882	......	......	13th „ „	
6	489	Binary Ice Machine Agency, Ld	50,000	12th Jan. 1884	......	......	17th „ „	
7	454	Bengal Rice Mills Association, Ld.	10,00,000	7th Oct. 1882	27th July 1886	4th June „		
8	415	Imperial Ice Co., Ld. ..	3,00,000	18th Aug. „	1st „ 1887			
9	421	Indian Kerosine oil Co., Ld.	10,00,000	14th Oct. 1881	......	......	30th „ „	
10	256	Dedarkosh Tea Co., Ld.	1,00,000	9th April 1873	29th Jan. 1884	28th July 1887		
11	493	Castle Distillery and Brewery Co., Ld. .	2,00,000	6th March 1884	......	......	25th July „	
12	403	Goosery Jute Mills Co., Ld.	4,00,000	5th July 1880	10th Sept. 1885	8th Dec. „		
13	302	Sungoo River Tea Co., Ld.	2,00,000	13th Nov. 1874	29th Dec. 1887			
14	409	Sagmootia Tea Co., Ld.	1,30,000	26th Jan. 1881	1st Feb. 1888	1st Feb. 1888		
15	506	Shumshurnuggor Tea Co., Ld.	2,80,000	23rd „ 1885	7th „ „	......	......	
16	379	United Medical Association, Ld.	50,000	19th June 1883	10th July 1886	9th „ „		
17	424	Jetinga Valley Tea Co., Ld.	3,00,000	16th Jan. 1882	10th Feb. 1888	......	......	
18	488	New Indian Portland Cement Co., Ld. ...	4,50,000	4th „ 1884	2nd Oct. 1885	28th „ „		
19	353	East Bengal Mercantile Co., Ld.	20,000	10th April 1877	3rd Mar. 1888	......	......	
20	487	Calcutta Steam Laundry Co., Ld.	50,000	15th Dec. 1883	5th May 1885	13th Mar. „		
21	450	Calcutta Tanning Co., Ld.	2,00,000	14th Sept. 1882			28th Mar. 1888	

No. IV.

Statement showing the register number and names of Companies that have reduced their capital during the year ending 31st March 1888.

No.	Register number borne by each Company.	Date of registration.	Amount of original capital.	Name of the Company.	Date of reduction.	Amount of capital reduced.	Remarks.
			Rs.			Rs.	
1	490	16th January 1884	24,00,000	Deoghur Mining Co., Ld.	10th March 1888	9,45,000	

No. VI.

Statement showing the number and name of existing Companies working in Bengal for the year ending 31st March 1888.

Banking and Insurance Companies.

Serial number.	Number.	Names of Companies.	When registered.		Nominal capital.	Paid up capital.	Date of last balance sheet filed.		Remarks.
					Rs.	Rs.			
1	1	Hong-Kong and Shanghai Banking Corporation	7th April	1869	1,68,75,000	1,68,75,000	31st Dec.	1887	
2	2	Furreedpore Loan Office, Ld.	13th June	1870	20,000	18,500	12th April	,,	
3	3	Tipperah Loan Office, Ld.	25th March	1871	1,00,000	84,650	12th ,,	,,	
4	4	Mymensing Loan Office, Ld.	23rd Sept.	1873	1,00,000	66,360	12th ,,	,,	
5	5	Barisal Loan Office, Ld.	17th Nov.	,,	20,000	18,000	12th March	1888	
6	6	Bogra Loan Office, Ld.	5th ,,	1874	20,000	20,000	12th April	1887	
7	7	Nasirabad Loan Office, Ld.	26th Sept.	1875	50,000	22,470	12th ,,	,,	
8	8	Jessore Loan Co., Ld.	12th April	1876	1,20,000	1,00,000	31st March	,,	
9	9	Saharsherpur Loan Office, Ld.	26th June	,,	20,000	15,170	12th April	,,	
10	10	Moonsheegunge Loan Office, Ld. ...	29th July	,,	20,000	12,010	14th Dec.	,,	
11	11	Hindu Union Bank, Ld.	26th Feb.	1880	20,000	1,530	31st ,,	,,	
12	12	Dacca Loan Office, Ld.	29th March	,,	2,00,000	1,47,030	12th April	,,	
13	13	Sylhet Loan Co., Ld.	13th Aug.	1881	20,000	6,240	15th July	,,	
14	14	Chota Nagpore Banking Association, Ld.	21st Feb.	1883	20,000	9,320	31st Dec.	,,	
15	15	Pabna Bank, Ld.	8th Aug.	,,	20,000	7,940	12th April	,,	
16	16	Kishoregunge Loan Office Ld.	19th Sept.	,,	50,000	24,750	12th ,,	,,	
17	17	Noakholly Loan Office, Ld.	2nd March	1885	20,000	......	......		
18	18	Tangail Loan Office, Ld.	12th Feb.	1887	50,000	2,750	12th April	1887	
19	19	Ghatail Saummiloni Dhan Bhandar Co., Ld.	27th July	,,	20,000	......	......		
20	20	Kurigram Loan Office, Ld.	4th Aug.	,,	10,000	......	......		
21	21	Khulna Loan Co., Ld.	15th Sept.	,,	15,000	5,959	7th Jan.	1888	
22	22	Amicable Insurance Office, Ld.	28th May	1886	10,00,000	18,920	28th Feb.	1887	
23	23	Triton Insurance Co., Ld.	5th Sept.	1887	22,50,000	......	......		
24	24	Reliance Marine Insurance Office, Ld.	9th Nov.	,,	20,00,000	......	......		
		Total ...	......		2,30,40,000	1,74,56,599	......		

Trading Companies.

Serial number.	Number.	Names of Companies.	When registered.		Nominal capital.	Paid up capital.	Date of last balance sheet filed.		Remarks.
					Rs.	Rs.			
25	1	Darjeeling-Himalayan Railway Co., Ld.	10th April	1879	17,50,000	17,50,000	31st Dec.	1886	
26	2	Deoghur Railway Co., Ld.	30th Jan.	1882	2,75,000	2,75,000	31st ,,	1887	
27	3	Tarkessur Railway Co., Ld.	18th Feb.	1884	16,50,000	16,50,000	31st ,,	1886	
28	4	Assensol E. I. R. Co-operative Society, Ld.	13th ,,	1873	10,000	10,000	31st ,,	1885	
29	5	Buxar Co-operative Society, Ld. ..	25th May	,,	4,000	4,000	31st ,,	1887	
30	6	Northern Bengal Railway Co-operative Supply Association, Ld.	30th ,,	1882	8,000	8,000	31st ,,	,,	
31	7	Assensole Railway Co-operative Ice and Ærated Water-Supply Co., Ld. ..	30th Nov.	1887	16,000	......	......		
32	8	India General Steam Navigation Co., Ld.	25th Sept.	1858	80,00,000	70,74,400	31st March	,,	
33	9	Burmah Steam Tug Co., Ld.	12th July	1866	3,00,000	1,89,000	31st Oct.	1886	
34	10	Orissa Coasting Steam Navigation Co., Ld.	24th Aug.	1882	4,00,000	2,84,350	31st July	1887	
35	11	Calcutta Steam Navigation Co., Ld. ...	8th Nov.	,,	8,40,000	7,00,000	31st Dec.	,,	
36	12	Calcutta Landing and Shipping Co., Ld.	7th Aug.	1863	5,00,000	4,20,000	30th April	,,	
37	13	Bengal Uncovenanted Service Medical Hall Association, Ld.	8th Dec.	1868	50,000	25,940	31st Dec.	1886	
38	14	R. Scott, Thomson and Co., Ld, ...	1st April	1863	5,00,000	4,67,000	31st March	1887	
39	15	Howrah Docking Co., Ld.	15th Sept.	,,	8,00,000	8,00,000	31st Dec.	,,	
40	16	Agricultural Phosphates Co., Ld. ...	18th Dec.	1873	1,00,000	85,000	31st ,,	,,	
41	17	Narail Trading Co., Ld.	20th March	1879	20,000	6,668	31st ,,	,,	
42	18	Pingna Trading Co., Ld.	7th Feb.	1881	1,00,000	30,000	12th April	,,	
43	19	Bengal Purveying Co., Ld.	27th April	1883	50,000	20,380	30th ,,	1883	
44	20	Co-operative Pharmacy Co , Ld. ...	31st May	,,	50,000	19,815	30th June	1886	
45	21	W. Newman & Co., Ld.	11th Feb.	,,	3,50,000	3,37,200	30th ,,	1887	
46	22	Gobra Tannery Co., Ld.	9th Sept.	,,	1,50,000	1,50,000	31st Dec.	,,	
47	23	Darjeeling and Kurseong Hotel and Trading Co., Ld.	2nd Feb.	1883	2,00,000	2,50,000	31st ,,	1886	Reduced in 1886-87.
48	24	Kerosine Oil Co., Ld.	9th Dec.	1884	10,000	6,000	31st ,,	1887	
49	25	Great Eastern Hotel Wine and General Purveying Co., Ld.	4th Feb.	1886	12,00,000	12,00,000	30th April	,,	
50	26	Green & Co., Ld.	5th Feb.	1887	8,000	......	......		
51	27	Raneegunge Cement and Lime Works, Ld.	30th June	,,	3,00,000	......	......		
52	28	Mofussil Supply Co., Ld.	4th Aug.	,,	10,000	......	......		
53	29	Indian Tea Supply Co., Ld.	8th Dec.	,,	3,00,000	......	......		
					1,79,51,000	1,57,62,753			

MILLS AND PRESSES.

Serial-number.	Number.	NAMES OF COMPANIES.	When registered.		Nominal capital.	Paid up capital.	Date of last balance sheet filed.		REMARKS.
					Rs.	Rs.			
54	1	Goosery Cotton Mills Co., Ld.	9th Oct.	1863	15,00,000	15,00,000	31st Dec.	1887	
55	2	Bowreah Cotton Mills Co., Ld.	7th Aug.	1872	18,00,000	18,00,000	26th Feb.	,,	
56	3	Dunbar Cotton Mill, Ld.	18th Dec.	1874	20,00,000	13,28,500	31st Dec.	,,	
57	4	Empress of India Cotton Mills Co., Ld.	19th April	1877	8,75,000	8,75,000	31st ,,	,,	
58	5	Budge-Budge Jute Mills Co., Ld. ..	21st ,,	1873	18,00,000	11,10,000	30th April	,,	
59	6	Fort Gloster Jute Manufacturing Co., Ld.	6th May	1873	14,00,000	14,00,000	31st May	1886	
60	7	Seebpore Jute Manufacturing Co., Ld....	1st Dec.	1873	15,00,000	15,00,000	31st Dec.	1887	
61	8	Howrah Mills Co., Ld.	14th July	1874	17,50,000	17,50,000	31st ,,	,,	
62	9	Gourypore Co., Ld.	12th April	1876	12,00,000	12,00,000	31st ,,	,,	
63	10	Kamarhatty Co., Ld.	28th Sept.	1877	8,00,000	4,00,000	31st ,,	,,	
64	11	Union Jute Co., Ld.	5th Oct.	1880	9,00,000	6,75,000	31st ,,	,,	
65	12	Hooghly Mills Co., Ld.	21st Sept.	1882	13,50,000	10,50,000	31st ,,	,,	
66	13	Kanknara Co., Ld.	30th Dec.	,,	14,00,000	7,83,100	31st ,,	,,	
67	14	Bengal Silk Co., Ld.	20th June	1881	3,50,000	3,50,000	31st Oct.	,,	
68	15	Nasmyth's Patent Press Co., Ld. ...	16th Sept.	1867	4,00,000	4,00,000	30th June	,,	
69	16	Calcutta Hydraulic Press Co., Ld. ...	10th April	1873	1,70,000	1,70,000	31st Dec.	1886	
70	17	Watson's Patent Press Co., Ld.	25th Feb.	1874	3,00,000	3,00,000	31st ,,	1887	
71	18	Ramkistopore Press Co., Ld.	23rd April	,,	1,30,000	1,30,000	31st ,,	,,	
72	19	Riverside Press Co. (Watson's Patent), Ld.	13th July	,,	3,00,000	2,70,000	30th June	,,	
73	20	Strand Bank Press Co. (Watson's Patent), Ld.	24th ,,	,,	2,50,000	2,30,000	31st Jan.	1888	
74	21	Chitpore Hydraulic Pressing Co., Ld. ...	17th March	1879	4,00,000	4,00,000	31st Dec.	1887	
75	22	Canal Press Co., Ld.	20th Sept.	1881	2,40,000	2,00,000	31st July	1887	
76	23	Camperdown Pressing Co., Ld.	25th July	1882	5,00,000	4,30,000	31st ,,	,,	
77	24	Agra Pressing Company Ld.	30th June	1883	1,55,000	1,45,750	30th June	,,	
78	25	India Pressing Co., Ld.	13th Aug.	,,	1,50,000	1,50,000	30th ,,	,,	
79	26	Goosery Pressing Co., Ld.	31st Dec.	1884	1,50,000	..		,,	
80	27	Titaghur Paper Mills Co., Ld.	28th July	1882	6,00,000	6,00,000	30th ,,	,,	
81	28	Calcutta Central Press Co., Ld.	21st April	1865	75,000	70,700	30th April	,,	
					2,24,45,000	1,95,68,350			

PLANTING COMPANIES.

Serial-number.	Number.	NAMES OF COMPANIES.	When registered.		Nominal capital.	Paid up capital.	Date of last balance sheet filed.		REMARKS.
					Rs.	Rs.			
82	1	Bengal Tea Co., Ld.	23rd Nov.	1859	10,00,000	9,48,520	31st Dec.	1887	
83	2	Balasun Tea Co., Ld.	21st Feb.	1860	2,00,000	2,00,000	31st ,,	,,	
84	3	East India Tea Co., Ld.	7th Aug.	1861	10,00,000	10,00,000	31st ,,	,,	
85	4	Kuttchanpore Tea Co., Ld.	13th Nov.	,,	5,00,000	4,56,000	31st ,,	,,	
86	5	Sylhet Tea Co., Ld.	18th Dec.	,,	1,50,000	1,49,833	1st Jan.	1889	
87	6	Kangurh Co., Ld.	13th May	1862	10,00,000	4,25,000	31st Dec.	1887	
88	7	Soom Tea Co., Ld.	20th Nov.	,,	3,00,000	3,00,000	31st ,,	,,	
89	8	Punkabaree Tea Co., Ld.	9th March	1863	2,50,000	2,18,312	31st ,,	,,	
90	9	Dehra Doon Tea Co., Ld.	31st March	,,	20,00,000	8,78,000	31st ,,	1886	
91	10	Central Cachar Tea Co., Ld. .	2nd May	,,	10,00,000	10,00,000	31st ,,	1887	
92	11	Bishnath Tea Co., Ld.	6th ,,	,,	11,00,000	8,25,000	31st ,,	,,	
93	12	Eastern Cachar Tea Co., Ld. ...	15th July	,,	7,00,000	7,00,000	31st ,,	,,	
94	13	Kurseong and Darjeeling Tea Co., Ld.	12th Dec.	,,	8,00,000	6,51,300	31st ,,	,,	
95	14	Durrung Tea Co., Ld.	4th Jan.	1864	5,00,000	4,6[illegible],000	31st ,,	1886	
96	15	Monacherra Tea Co., Ld.	30th Jan.	,,	8,00,000	7,29,150	31st ,,	1887	
97	16	Tukvar Co., Ld.	20th Feb.	,,	12,00,000	7,34,300	31st ,,	,,	
98	17	Moran Tea Co., Ld.	20th July	,,	6,00,000	4,80,000	31st ,,	1888	
99	18	Durrabhar Co., Ld.	23rd April	1866	60,000	60,000	30th Nov.	1887	
100	19	Kuttal Tea Co., Ld.	24th Jan.	1867	1,00,000	1,00,000	31st Dec.	,,	
101	20	Chandypore Tea Co., Ld.	8th Aug.	,,	2,50,000	2,50,000	31st ,,	,,	
102	21	New Mutual Tea Co., Ld.	15th ,,	1868	1,20,000	1,17,750	31st ,,	,,	
103	22	Arcuttepore Tea Co., Ld.	19th Jan.	1869	3,00,000	3,00,000	31st ,,	,,	
104	23	Cutlacherra Co., Ld.	30th May	1871	2,70,000	2,50,000	31st ,,	,,	
105	24	Adulpore Terai Tea Co., Ld. .	5th June	,,	1,10,000	1,10,000	31st ,,	,,	
106	25	Singell Tea Co., Ld.	15th Nov.	,,	6,25,000	6,75,000	31st ,,	,,	
107	26	Indian Terai Tea Co., Ld.	4th Dec.	,,	1,50,000	1,50,000	31st ,,	,,	
108	27	Majagram Tea Co., Ld.	27th Jan.	1872	2,00,000	1,75,000	31st ,,	,,	
109	28	Hoolungoorie Tea Co., Ld.	23rd March	,,	4,00,000	4,00,000	31st ,,	,,	
110	29	Central Terai Tea Co., Ld.	4th April	,,	4,00,000	4,00,000	31st ,,	,,	
111	30	Dessai and Parbuttia Tea Co., Ld. ..	15th July	,,	1,80,000	1,80,000	31st ,,	,,	
112	31	Cocheela Tea Co., Ld.	17th Jan.	1873	3,00,000	2,68,675	31st ,,	,,	
113	32	Holta Tea Co., Ld.	27th Feb.	,,	3,50,000	3,50,000	31st ,,	,,	
114	33	Kalacherra Tea Co., Ld.	23rd July	,,	2,75,000	2,75,000	31st ,,	,,	
115	34	Singbulli and Murmah Tea Co., Ld. ..	26th Nov.	,,	4,00,000	3,00,000	31st ,,	,,	
116	35	Puttareah Tea Co., Ld.	31st Dec.	,,	2,00,000	2,0[illegible],000	31st ,,	,,	
117	36	Spring Side Tea Co., Ld.	10th Jan.	1874	1,68,000	1,64,000	31st ,,	,,	
118	37	Mothola Co., Ld.	5th March	,,	1,50,000	1,38,000	31st ,,	,,	
119	38	Teendarreea Co., Ld.	28th July	,,	1,35,000	1,35,000	31st ,,	,,	
120	39	Joonktollee Tea Co., Ld.	7th Aug.	,,	80,000	80,000	31st ,,	,,	
121	40	Burrabola Tea Co., Ld.	1st Sept.	,,	2,70,000	2,70,000	31st ,,	,,	
122	41	Tingling Tea Co., Ld.	15th Sept.	,,	1,50,000	1,50,000	31st ,,	,,	
123	42	Phœnix Tea Co., of Cachar, Ld. ...	9th Oct.	,,	6,25,000	5,33,000	31st ,,	,,	
124	43	Chota Nagpore Tea Co., Ld.	27th Nov.	,,	2,50,000	2,50,000	31st ,,	,,	
125	44	Lackatoorah Tea Co., Ld.	5th Dec.	,,	2,25,000	2,25,000	31st ,,	,,	
126	45	Second Mutual Tea Co., Ld ..	26th Feb.	1875	2,35,500	2,08,900	31st ,,	,,	
127	46	Mim Tea Co., Ld.	6th March	,,	1,60,000	1,59,000	31st ,,	,,	
128	47	Geille Tea Co., Ld. ..	20th ,,	,,	5,00,000	4,00,000	31st ,,	,,	
129	48	Hoolmaree Tea Co., Ld.	25th ,,	,,	1,20,000	1,20,000	31st ,,	,,	
130	49	Sapakati Tea Co., Ld.	1st May	,,	88,000	88,000	31st ,,	,,	
131	50	Rajabarie Tea Co., Ld.	5th ,,	,,	2,00,000	2,00,000	31st ,,	,,	
132	51	Grob Tea Co., Ld. ...	21st June	,,	6,00,000	5,00,000	31st ,,	,,	
133	52	North-Western Cachar Tea Co., Ld. ...	25th Jan.	1876	2,76,000	2,76,000	31st ,,	,,	
134	53	Rubglee Rungliot Tea Co., Ld. ...	21st Feb.	,,	1,40,000	1,40,000	31st ,,	,,	
135	54	Amluckie Tea Co., Ld.	25th July	,,	4,46,500	4,45,700	31st ,,	,,	
136	55	Cachar Native Joint Stock Co., Ld. ..	31st Aug.	,,	1,00,000	53,375	31st ,,	1886	
137	56	Teesta Valley Tea Co., Ld.	20th Nov.	,,	3,50,000	3,20,000	31st ,,	1887	
138	57	Dehing Co., Ld.	5th Jan.	1877	10,00,000	9,00,000	31st ,,	1887	
139	58	Dhunsiri Tea Co., Ld.	23rd March	,,	1,00,000	1,60,000	31st ,,	1886	
140	59	Good Hope Tea Co., Ld.	2nd May	,,	1,15,000	1,09,000	31st ,,	1887	
141	60	Hotewar Tea Co., Ld.	16th July	,,	56,800	56,000	31st ,,	1886	
142	61	Seemah Tea Co., Ld.	2nd Jan.	1878	1,00,000	[illegible]	31st ,,	1879	
143	62	Singtom Tea Co., Ld. ...	10th Jan.	,,	1,60,000	1,60,000	31st ,,	1887	
144	63	Bahadurpore Tea Co., Ld.	19th March	,,	20,000	17,639	31st ,,	1886	
145	64	Hindoo Tea Co., Ld.	12th July	,,	35,000	24,500	31st ,,	1887	
146	65	Loobah Tea Co., Ld.	27th Sept.	,,	5,00,000	5,00,000	31st ,,	,,	
147	66	Longview Tea Co., Ld.	16th Jan.	1879	3,44,000	3,41,000	31st ,,	,,	
148	67	Darjeeling Tea and Cinchona Association, Ld.	16th Jan.	,,	2,00,000	2,00,000	31st ,,	1884	
149	68	Kettela Tea Co., Ld.	25th March	,,	1,50,000	1,50,000	31st ,,	1887	
150	69	Munjha Tea Co., Ld.	10th April	,,	1,50,000	1,50,000	31st ,,	,,	
151	70	Jalpiguri Tea Co., Ld.	29th May	,,	50,000	50,000	31st ,,	,,	
152	71	Washabaree Tea Co., Ld. ...	8th Aug.	,,	1,50,000	1,50,000	31st ,,	,,	
153	72	Karnafulli Association, Ld. ...	5th Feb.	1880	3,00,000	2,43,000	31st ,,	1886	
154	73	Nahartolli Tea Co., Ld.	14th Feb.	,,	1,60,000	1,40,500	31st ,,	,,	
155	74	Hapjan Tea Association, Ld. ...	5th March	,,	70,000	70,000	31st ,,	,,	

Planting Companies—*concluded.*

Serial number.	Number.	Names of Companies.	When registered.	Nominal capital.	Paid up capital.	Date of last balance sheet filed.	Remarks.
				Rs.	Rs.		
156	75	Ringtong Tea Co., Ld.	7th Feb. 1881	3,00,000	3,00,000	31st Dec. 1887	
157	76	Goomtee Tea Co., Ld.	8th March ,,	80,000	80,000	31st ,, ,,	
158	77	Sungma Tea Co., Ld.	30th March ,,	1,30,000	1,17,000	31st ,, ,,	
159	78	Khobong Tea Co., Ld.	12th April ,,	3,25,000	3,25,000	31st ,, 1886	
160	79	Chenga Tea Co., Ld.	27th July ,,	1,50,000	1,50,000	31st ,, 1887	
161	80	Rangamattee Tea Co., Ld	15th Feb. 1882	3,50,000	3,50,000	31st ,, ,,	
162	81	Lower Darjeeling Tea Co., Ld. ...	24th Feb. ,,	1,10,000	1,10,000	31st ,, ,,	
163	82	Baintbaree Tea Co., Ld.	14th March ,,	1,60,000	1,60,000	31st ,, ,,	
164	83	Tingri Tea Co., Ld.	21st March ,,	5,00,000	5,00,000	31st ,, ,,	
165	84	Jinglam Tea Co., Ld.	22nd March ,,	1,60,000	1,60,000	31st ,, ,,	
166	85	Ellenbaree Tea Co., Ld.	25th April ,,	1,50,000	1,50,000	31st ,, ,,	
167	86	Mesal Tea Co., Ld.	5th July ,,	2,50,000	2,50,000	30th Nov. ,,	
168	87	Kamptie Gwallie Tea Co., Ld.	5th Sept ,,	2,20,000	2,20,000	30th ,, ,,	
169	88	Pashok Tea Co., Ld.	5th Sept ,,	2,50,000	2,30,000	31st Dec. 1886	
170	89	Northern Bengal Tea Corporation, Ld.	28th Sept. ,,	1,00,000	85,400	31st ,, 1887	
171	90	Gurjang Jhora Tea Co., Ld.	2nd Dec. ,,	50,000	50,000	31st ,, ,,	
172	91	Phoolbaree Tea Co., Ld.	29th Dec. ,,	5,12,000	5,12,000	31st ,, ,,	
173	92	Bagra Cote Tea Co., Ld.	17th Feb. 1883	4,00,000	4,00,000	31st ,, ,,	
174	93	Baintgoorie Tea Co. (Dooars) Ld. ...	19th Feb. ,,	1,50,000	1,50,000	31st ,, ,,	
175	94	Needeem Tea Co., Ld.	1st March ,,	3,00,000	3,00,000	31st ,, ,,	
176	95	Bor Pukhuri Tea Co., Ld.	11th July ,,	1,50,000	1,50,000	31st ,, ,,	
177	96	Gyabaree Tea Co., Ld.	12th July ,,	2,00,000	1,26,230	31st ,, 1886	
178	97	Second Fallodhi Tea Co., Ld.	12th July ,,	2,00,000	2,00,000	31st ,, ,,	
179	98	Mohurgong Tea Co., Ld.	9th Aug. ,,	1,60,000	1,60,000	31st ,, 1887	
180	99	Chumta Tea Co., Ld.	2nd Nov. ,,	1,50,000	1,48,100	31st ,, ,,	
181	100	Bargong Tea Co., Ld.	28th Nov. ,,	1,50,000	1,45,500	31st ,, ,,	
182	101	Matelli Tea Co., Ld.	27th March 1884	2,00,000	1,48,000	31st ,, ,,	
183	102	Kaliti Tea Co., Ld.	28th May ,,	80,000	80,000	31st ,, ,,	
184	103	Selim Tea Co., Ld.	18th July ,,	15,00,000	9,50,500*	31st ,, ,,	* By oversight shown 1886-87. Rs. 975,500.
185	104	Tezpore and Gogra Tea Co., Ld. ...	19th July ,,	6,50,000	5,98,800	31st ,, ,,	
186	105	Iringmarrah Tea Co., Ld.	14th Aug. ,,	1,60,000	1,60,000	31st ,, 1886	
187	106	Manabaree Tea Co., Ld.	3rd Jan. 1885	1,50,000	1,50,000	31st ,, 1887	
188	107	Naga Dhoolie Tea Co., Ld.	10th Feb. ,,	1,76,000	1,76,000	31st ,, 1888	
189	108	Hope Town Tea Co., Ld.	23rd Feb. ,,	1,00,000	1,00,000	31st ,, ,,	
190	109	Hope Tea Co., Ld.	21st March ,,	3,60,000	2,73,600	31st ,, 1887	
191	110	Arya Tea Co., Ld.	16th May ,,	36,575	24,056	31st ,, ,,	
192	111	New Cinnatollieh Tea Co., Ld.	26th ,, ,,	10,000	10,000	31st ,, ,,	
193	112	Mandakatta Tea Co., Ld.	22nd Dec. ,,	2,00,000	2,00,000	31st ,, ,,	
194	113	Chincooria Tea Co., Ld.	22nd ,, ,,	2,00,000	2,00,000	31st ,, ,,	
195	114	Killcott Tea Co., Ld.	29th ,, ,,	2,00,000	2,00,000	31st ,, ,,	
196	115	Chulsa Tea Co. (Dooars), Ld.	5th Jan. 1886	3,50,000	3,50,000	31st ,, ,,	
197	116	Zurantee Tea Co. (Dooars), Ld. ...	5th ,, ,,	1,60,000	1,60,000	31st ,, ,,	
198	117	Kallinugger and Khoreel Tea Co., Ld.	16th ,, ,,	3,00,000	3,00,000	31st ,, ,,	
199	118	Banockburn Tea Co., Ld.	20th Feb. ,,	2,00,000	2,00,000	31st ,, ,,	
200	119	Jaipur Tea Estates, Ld.	18th March ,,	2,00,000	2,00,000	31st ,, ,,	
201	120	Shakomato Tea Co., Ld.	26th June ,,	2,50,000	2,50,000	31st ,, ,,	
202	121	Singlo Tea Co., Ld	8th July ,,	12,00,000	12,00,000	31st ,, ,,	
203	122	Chapaguri Tea Co., Ld.	12th ,, ,,	1,50,000	1,32,000	31st ,, ,,	
204	123	Chaloum Tea Co., Ld.	29th ,, ,,	1,20,000	72,000	31st ,, ,,	
205	124	Jetinga Valley Tea Co., Ld.	25th Feb. 1888	3,00,000	....	......	
206	125	Sylhet Cultivating Co., Ld.	29th June 1875	20,000	17,275	12th April 1887	
207	126	Kheri Indigo Association, Ld. ...	18th March 1886	60,000	20,000	31st March ,,	
		Total ...	.....	3,98,28,575	3,46,02,345		

Mining Companies.

Serial number.	Number.	Names of Companies.	When registered.	Nominal capital.	Paid up capital.	Date of last balance sheet filed.	Remarks.
				Rs.	Rs.		
208	1	Bengal Coal Co., Ld.	24th July 1858	24,00,000	24,00,000	31st Oct. 1887	
209	2	Equitable Coal Co., Ld.	1st Aug. 1863	8,00,000	8,00,000	31st Dec. ,,	
210	3	Raneegunge Coal Association, Ld. ..	5th April 1873	9,00,000	8,25,000	31st Mar. ,,	
211	4	New Beerbhoom Coal Co., Ld.	16th May ,,	7,20,000	7,20,000	31st Oct. ,,	
212	5	Burrakur Coal Co., Ld.	19th June 1875	1,50,000	1,50,000	31st May ,,	
213	6	Alipore Coal Co., Ld.	3rd Mar. 1882	3,00,000	3,00,000	30th Nov. ,,	
214	7	Sherghur Co., Ld.	14th Dec. 1886	10,000	.....	...	
215	8	Rajmahal Stone Co., Ld.	30th June 1876	2,50,000	2,50,000	31st Dec. 1887	
216	9	Bengal Stone Co., Ld..	15th Feb. 1879	80,000	80,000	31st Dec. ,,	
217	10	Deoghur Mining Co., Ld.	18th Jan. 1884	*9,45,000	21,24,708	30th April ,,	
218	11	Arakan Petroleum Oil Co., Ld.	14th July 1883	4,00,000	3,66,830	31st Dec. ..	
		Total .	......	69,55,000	80,16,538		

* Since reduced.

Ice Manufacturing Companies.

Serial number.	Number.	Names of Companies.	When registered.	Nominal capital.	Paid up capital.	Date of last balance sheet filed.	Remarks.
				Rs.	Rs.		
219	1	Bengal Ice Manufacturing Co., Ld. ...	9th July 1878	5,00,000	4,95,000	31st Dec. 1887	
220	2	Jamalpore Ice Manufacturing Co., Ld....	28th May 1879	10,000	7,120	31st ,, 1886	
221	3	Crystal Ice Supply Co., Ld.	14th Aug. 1883	2,00,000	2,00,000	31st ,, 1887	
222	4	Cuttack Ice Co., Ld.	21st April 1884	10,000	.... .	......	
		Total ...	.....	7,20,000	7,02,120	.... .	

Sugar Manufacturing Company.

Serial number.	Number.	Names of Companies.	When registered.	Nominal capital.	Paid up capital.	Date of last balance sheet filed.	Remarks.
				Rs.	Rs.		
223	1	Carew and Co., Ld.	11th June 1875	16,00,000	16,00,000	31st Dec. 1887	
		Total ...	......	16,00,000	16,00,000		

OTHER COMPANIES.

Serial number.	Number.	NAMES OF COMPANIES.	When registered.	Nominal capital.	Paid up capital.	Date of last balance sheet filed.	REMARKS.
				Rs.	Rs.		
224	1	Kanknarrah Lime Factory Co., Ld. ...	6th June 1879	10,000	9,120	30th June 1887	
225	2	Bengal Telephone Co., Ld.	14th March 1883	10,00,000	8,79,580	31st Dec. „	
226	3	Goyana Boat Co., Ld.	1st July 1885	20,000	......	......	
227	4	Bengal Science and Art Union, Ld. ...	5th Aug. 1887	1,50,000	......	......	
228	5	East India Trade and Outfit Co., Ld. ...	16th July „	......	......	......	Ten members limited by guarantee.
		Total	......	11,80,000	8,88,700	......	

NATURE OF COMPANIES.	Number.	Nominal capital.	Paid up capital.
		Rs.	Rs.
I.—Banking and Insurance Companies	24	2,30,40,000	1,74,56,599
II.—Trading Companies	29	1,79,51,000	1,57,62,753
III.—Mills and Presses	28	2,24,45,000	1,95.68,350
IV.—Planting Companies	126	3,98,28,575	3,46,02,845
V.—Mining ditto	11	69,55,000	80,16,538
VI.—Ice Manufacturing Companies	4	7,20,000	7,02,120
VII.—Sugar Manufacturing Companies	1	16,00,000	16,00,000
VIII.—Others	5	11,80,000	8,88,700
Total ...	228	11,37,19,575	9,85,97,905

P. GHOSHA,
Registrar of Joint-Stock Companies.

CALCUTTA,
The 14th May 1888.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 14th July 1888.

No.	District and date of return.		Rainfall at Suddor Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
	Western Districts.			
	Burdwan	July 14, '88	0·97	Weather—showery, with high east wind. State of early rice, jute and sugar-cane moderately fair. Prospects of main rice crop good, but transplantation is retarded in the north-east for want of rain. Prices stationary.
	Culna		2·12	
	Cutwa		0·53	
	Bankoora	„ 14, '88	0·23	Weather—seasonable. State and prospects of crops good. Sowing of rice nearly finished. Transplantation proceeding more or less in all parts of the district. More rain wanted in thanas Bishenpore and Bankoora. Prices of rice have slightly risen.
	Birbhum	„ 14, '88	1·85	Weather—cloudy and cool. Hot at Rampore Haut. Sugarcane has been improved by the rain, but cannot thoroughly recover. *Aus dhan* prospects bad. *Amun dhan* seedlings saved by rainfall of this month, but much more rain wanted for transplantation.
	Rampore Haut	...	2·01	
	Midnapur	„ 14, '88	2·17	At Head-quarters good showers have fallen. In the south, in Contai and Tumluk, rain still holds off. Rain is wanted in the south to enable planting out of *amun* to be commenced. In Ghatal and Head-quarters transplanting is going on rapidly. There is a good supply of water for irrigation in the canal.
6	Hugli	„ 14, '88	3·06	Weather—cloudy, with occasional showers. Prospects are now fair, but more rain is wanted for transplanting the *amun* rice.
	Serampur		1·74	
	Jehanabad		2·93	
	Howrah	July 16, '88	1·80	
	Ooloobenia		1·92	Weather—seasonable. State and prospects of crops improving.
	Central Districts.			
	24-Perghs.	July 17, '88	1·66	Weather—cloudy, with scanty rainfall. More rain wanted. Standing crops doing fairly well. Transplanting going on.
	Nuddea	„ 14, '88	0·73	Weather—cloudy. Hot in north of district; cooler in Sudder and Ranaghat. Rain sufficient except in Kushtea and Meherpore. Prospects fairly good in middle and south of district, but more rain is wanted in the north for the rice crop. Transplantation of rice and indigo manufacture going on.
	Kushtea	...	0·67	
	Meherpur	...	0·24	
	Chooadanga	...	2·17	
	Ranaghat	...	1·86	
	Khoolna	14, '88	2·66	Frequent showers. Heavy rain on 9th. *Aus* promises well. Transplantation of *amun* rice in progress. Sugarcane and jute doing well.
	Jessore	14, '88	0·80	Weather cloudy, with occasional slight showers Rain has done much good to the young *aus* and *amun* plants; but more rain still wanted. Transplanting is in progress.
	Jhenidah		0·43	
	Magoora		0·43	
	Narail		1·95	
	Bongong		0·60	
	Moorshedabad	„ 14, '88	0·65	Weather—hot and cloudy at intervals with occasional rain. Prospects of *bhadoi* and *amun* favourable. Transplantation of *amun* has commenced, but more rain is wanted.
	Lalbagh		0·80	
	Kandi		1·36	
	Jungipur		0·50	
	Dinagepur	July 14, '88	1·66	Weather—showery, with a good deal of damp heat. More rain is wanted in parts for *haimanti* paddy; otherwise prospects favourable.
	Thakurgaon		2·93	
	Rajshahye	14, '88	0·96	Weather—sultry by day, but cool nights. Prospects better, but more rain wanted. It is estimated that, if rain continues to fall, *aus* may be a 12-anna crop. Condition of *amun*, jute, and sugarcane good in most places.
	Nattore	...	3·65	
	Nowgong	...	1·38	
	Rungpur	14, '88	2·03	Weather—cloudy, with occasional drizzling. Rain wanted in the Gaibanda sub-division. Prospects of crops on the whole good. *Aus* continues to be reaped.
	Nilphamari	...	3·10	
	Kurigram	...	0·23	
	Gaibanda	...	1·42	
	Bogra	14, '88	1·82	Weather—seasonable. Prospects of standing crops fair. Transplanting of *amun* still going on. More rain wanted. Prices stationary.
	Sherpur		1·38	
	Nowkhilla		2·74	
	Pubna	14, '88	2·14	Weather—seasonable. Prospects of crops continue fairly good, but more rain is wanted. *Aus* is being reaped in some places.
	Serajgunge	...	2·00	
	Darjeeling	14, '88	8·48	Weather—rainy and foggy. Crops doing well both in hills and plains. Prospects of jute in Silligoree favourable.
	Julpigoree	„ 14, '88	15·21	Weather—cloudy, with showers of rain all over the district. Transplanting of *haimanti* paddy begun. Jute is said to have been injured in some parts by excessive rain. Prices rather show a tendency to rise.
	Eastern Districts.			
18	Dacca	„ 14, '88	0·68	Weather—mostly cloudy and hot. Harvesting of jute going on and that of *aus* paddy in low grounds nearly completed. *Amun* paddy thriving. Prospects of crops good.
	Manickgunge		0·96	
	Munshigunge		1·69	
	Naraingunge		1·02	
19	Furreedpur	„ 14, '88	0·54	Weather—seasonable, but rainfall of the week insufficient. Prospects fair, but again very little rain has fallen.
	Goalundo	...	0·34	
	Madaripur	...	2·22	
20	Backergunge	„ 13, '88	3·93	Weather—seasonable. Prospects of crops good except in the Bhola sub-division, where the reports are not so favourable.
21	Mymensingh	„ 13, '88	1·54	Weather—hot and rainy. Prospects of crops good.
	Jamalpur		1·27	
	Kishoregunge		0·49	
	Attia		1·05	
	Netrokona		5·84	

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Eastern Districts—concld.		
Chittagong Divn.	22	Chittagong July '88		Report not received.
	23	Noakholly „ 13, '88	4·85	Weather—generally fair, with occasional showers. *Aus* is being reaped in some places. Transplantation of *amun* progressing. More rain wanted.
		Fenny ...	5·69	
	24	Tipperah „ 12, '88	0·87	Weather—seasonable, but much less rainy than usual. State and prospects of the crops on the whole are good, but rain is much wanted in parts, especially in the east of the Sudder sub-division.
		Brahmunberia .	1·42	
		Chandpur ...	1·50	
	25	Chittagong Hill Tracts. „ 10, '88	1·55	Weather—cloudy, with occasional light showers of rain throughout the week. Prospects of *jum* paddy fairly good. Ploughing continues in low lands. Paddy plants in seed-beds progressing. Rain badly wanted for plough land.
		Hill Tipperah „ 12, '88	0·92	Weather—hot Cultivation for *amun* paddy continues Prospects of sugarcane and early rice fair.
BEHAR.				
Patna Divn.	26	Patna „ 14, '88	1·48	Weather—hot and cloudy. *Bhadoi* and paddy sowings going on. Rainfall sufficient for present demand.
		Dinapur ...	4·92	
		Barh ..	0·85	
	27	Gya „ 14, '88	·65	Weather—hot and cloudy. *Bhadoi* and paddy being sown. Indian-corn, *marua*, and sugarcane doing well.
	28	Shahabad „ 14, '88	1·03	Weather—hot and cloudy, with occasional breaks. Recent rain has done much good, but more is wanted in the Sasseram sub-division. *Bhadoi* crops which have germinated are doing well. Prospects of sugarcane good. Prices stationary.
		Buxar ...	4·94	
		Sasseram ...	0·67	
	29	Durbhunga „ 14, '88	0·92	Weather—occasionally cloudy. *Bhadoi* cultivation in progress, but more rain urgently wanted for *marua* and rice crops. Indigo manufacture has commenced. Price of common rice averages 18 seers per rupee.
	30	Mozufferpur „ 14, '88	0·35	Weather—hot and cloudy. The break in the rains is favourable to agricultural operations. Prospects of *bhadoi* crops favourable. Transplantation of paddy progressing in Sitamarhi.
		Hagipur ...	3·06	
		Sitamarhi	2·10	
	31	Sarun „ 14, '88	1·61	Weather—seasonable and cloudy, with showers at intervals. *Bhadoi* and paddy sowings are in full progress. Prospects of all crops much improved by the rainfall of the present and past weeks.
		Sewan ...	1·56	
	32	Chumparun „ 14, '88	0·60	Weather—hot and fair; occasionally cloudy. *Makai, marua* and other *bhadoi* crops doing well. Transplantation of paddy going on, but more rain still wanted on higher lands. Prospects good. Indigo *mahai* progressing.
Bhagulpore Divn.	33	Monghyr „ 14, '88	4·04	Weather—close and cloudy. The recent rain has generally improved the prospects of all crops, but more rain is wanted for the standing crops and for transplanting winter rice.
		Begu-serai ...	1·62	
		Jamui ..	1·60	
	34	Bhagulpur „ 14, '88	3·39	Weather—seasonable. All crops now doing well.
		Banka ...	0·8	
		Soopole ...	1·97	
	35	Purneah „ 17, '88	4·65	Weather—cool and showery. State and prospects of crops excellent.
		Kishengunge ...	6·40	
		Arrareah ...	4·18	
	36	Maldah „ 14, '88	1·87	Weather—cloudy, with occasional heavy showers. Crops benefited by rain. More rain wanted in the north, where damage is apprehended. *Amun* sowings going on; transplanting commenced in some parts.
		Chanchal ...	1·53	
		Shibgunge ...	2·76	
		Gajole ...	1·60	
	37	Sonthal Perghs. „ 14, '88	1·02	Weather—cloudy, with good showers at intervals. Ploughing and sowing going on busily. More rain wanted for the transplanting of *dhan* seedlings.
		Deoghur ...	4·30	
		Godda ...	1·00	
		Jamtara ...	1·02	
		Pakour ...	3·26	
		Rajmahal ...	1·25	
ORISSA.				
Orissa Divn.	38	Cuttack July 13, '88	1·48	Weather—occasionally cloudy. Slight rain at times. More rain wanted. Local showers have improved the state of things in places *Beali* and *sarad* rice-plants suffer from want of rain in many places. Those on canal banks are growing well. Price of rice rising.
	39	Pooree „ 12, '88	0·06	Weather—hot. Rain is much wanted for the puddling of the winter crops. The seedlings of winter rice (*sarad*) are withering. Early rice (*beali*) is being weeded. Common rice 21 seers 6 chittacks per rupee in the Sudder sub-division and 19 seers 3 chittacks in the Khoordah sub-division.
		Khoordah .	1·12	
	40	Balasore „ 13, '88	1·28	Weather—is clearly changing, and there are signs of heavy rain. Crops seem to be generally doing fairly well, except in the centre of the district, where more rain is urgently required.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
Chota Nagpore Divn.	41	Hazaribagh July 13, '88	3·34	Weather—seasonable. Ample rain everywhere. Sowings still continue. Crops doing well. Prospects favourable.
	42	Lohardugga „ 14, '88	1·52	Weather—cloudy and somewhat warm. Rain during the week somewhat scanty and irregular; more urgently needed. *Bhadoi* sowings have commenced. Prospects of crops continue good. No appreciable change in rice market at head-quarters. Prices rising in Palamow.
		Palamow ...	0·72	
	43	Singbhoom „ 13, '88	0·61	Very little rain; more badly wanted. So far the damage done by the drought is small, but if the rains hold off much longer, serious damage will be done to the *bhadoi* crops, including the *gora dhan*.
	44	Manbhoom „ 14, '88	2·63	Weather—cool and rainy. Abundant rain has fallen, and all crops are doing well. A little break now for ten days or so would be of advantage.
		Govindpur ...	1·68	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 17th July 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 8th to 14th July 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
July	8th	145·5	5·2	29·506	84·4	90·9	11·7	79·2	80·2	0·976	78·5	83	SSW and SW ...	140	Nil	Chiefly cloudy.
"	9th	116·0	1·0	·482	82·4	84·4	5·2	79·2	79·9	·990	78·9	89	SSW and SW ...	88	0·74	Cloudy, o, g, p, t, ⌂.
"	10th	151·1	4·2	·531	82·9	88·3	9·7	78·6	80·0	·987	78·8	88	S by E, E and SSE...	109	0·18	Cloudy, o, g, p, t, d, ⌂.
"	11th	148·9	5·3	·553	83·6	88·1	10·2	77·9	79·8	·970	78·3	84	SE by E, E and SE ..	130	0·05	Ciefly cloudy, o, g, d.
"	12th	149·0	8·1	·570	84·5	90·6	12·4	78·2	79·6	·945	77·5	80	ENE E and ...	154	Nil	Chiefly cloudy, ⌂.
"	13th	150·3	2·0	·548	82·7	87·5	8·7	78·8	79·5	·964	78·1	80	E and ESE ...	209	0·33	Chiefly cloudy, o, d, p, ⌂.
"	14th	139·0	1·2	·545	81·7	86·1	7·4	78·7	78·7	·942	77·4	87	SE and SE by E ...	207	0·25	Chiefly cloudy, o, d, p.

	Inches.
The mean pressure of the seven days	29·534
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·548
	Hours.
The total number of hours of bright sunshine	27·0
The maximum possible number of hours of sunshine	93·8
	°
The mean temperature of the seven days	83·2
The average temperature of the corresponding period for 24 years, S. G.'s Office ...	83·9
The extreme variation of temperature	13·0
The maximum temperature	90·9
	Miles.
The highest velocity of the wind in one hour	13
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	84
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	85
	Inches.
The total fall of rain from 8th to 14th July 1888	1·55
The average fall of the corresponding period for 24 years, S. G.'s Office ...	2·50
The total fall from 1st January to 14th July 1888	21·43
The average fall of the corresponding period for 24 years, S. G.'s Office ...	27·08

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, d drizzling rain, t thunder, ⌂ due.

N.B.—In the weekly abstract from 24th to 30th June 1888 read 83·1° for ·83 as the mean temperature of the 28th.

A. Pedler,

For Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 16th July 1888.

Meteorological Report of the Province of Benga[l]

Meteorological Division.	District.	Representative station.	Station Observations. Air pressure.			Wind.		Temperature.								
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·550	29·562	—	SSW	350	89·2	11th & 13th July	78·0	9th July	88·0	79·0	83·5	—	82·3
		Gopalpore ...	29·534	29·584	—·026	Southerly	432	87·2	10th & 12th July	79·8	13th "	86·5	80·8	83·7	+1·1	84·9
		False Point ...	29·562	29·581	—·049	Variable	288	89·5*	9th "	77·1	10th "	88·2*	79·2*	83·7*	+0·1*	85·9
	Cuttack	Cuttack ...	29·498	29·577	—·042	SW	69	95·9	12th "	77·9	7th, 9th, July	91·9	79·0	85·5	+1·1	86·0
	Balasore	Balasore ...	29·533	29·591	—·006	SSE	128·4	92·4	9th "	77·7	8th "	89 9	78·8	84·4	+1·8	84·4
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·577	29·603	—·018	SSW	398	93·2	13th "	79·5	12th "	89·5	80·8	85 2	+1·0	84·8
	Midnapore	Midnapore ...	29·401	29·611	+·001	NE	71·1	94·8	9th "	77·8	12th "	90·2	78·5	84·4	+0·8	85·2
	24-Pergunnahs ..., Howrah ..., Hooghly ...	Calcutta ...	29·579	29·600	—·006	SW & E	127	91·0	9th "	77·7	11th "	87·9	78·6	83·3	—0·7	83·9
	Burdwan	Burdwan ..	29·497	29·596	—·014	E	706	92·6	13th "	78·9	7th "	91·1	79·8	85·5	+0·6	85·5
	Bankoora	Bankoora ..	29·300	—	—	SW & SE	137	92·1	8th & 9th July	75·6	7th "	91·0	78·4	84·7	—	86·2
	Beerbhoom ..., West Burdwan ...	Raneegunge ...	29·267	29·572	—·003	ESE	87·7	92·5	13th, "	78·3	7th, 15th July	90·1	78·9	84·5	+0·9	85·5
	Moorshedabad	Berhampore ...	29·543	29·609	—·003	SE	99·7	92·2	13th "	78·3	7th, 11th July	90·0	79·0	84·5	—0·4	85·1
	Nuddea	Krishnaghur...	29·503	29·628	+·008	ESE	106·3	92·8	13th "	7[illegible]·7	12th "	90·4	78·6	84·5	+1·2	85·6
	Jessore ..., Khoolna ...	Jessore ...	29·587	29·620	—·003	ESE	99·4	92·8	9th "	78·4	13th "	89·7	79·5	84·6	+0·2	85·7
East Bengal.	Chittagong	Chittagong ..	29·596	29·685	—·005	SE	137	87·6	12th "	75·0	8th, 9th, July	85·5	76·5	81·0	—0·5	80·2
	Chittagong Hill Tracts	Demagiri ...	Observations not received.													
	Backergunge	Barrisal ..	29·628	29·640	+·006	SSE	115·7	89·3	9th July	76·8	9th "	87·1	78·6	82·9	+1·0	84·3
	Noakholly	Noakholly ...	29·630	29·674	—	SSE & SE	71·7	86·3	13th "	76·8	10th "	84·8	77·8	81·8	—	81·9
	Furreedpore	Furreedpore..	29·602	29·641	—·004	E	123	90·5	13th "	78·9	9th & 12th July	87·6	79·3	83 5	+0·9	84·4
	Dacca	Dacca ...	29·615	29·637	+·005	SSE	137	91·1	13th "	78·2	9th, 10th July	88·4	79·5	84·0	—0·1	84·8
	Commillah	Commillah ..	29·619	29·655	+·016	SE	147·7	91 3	13th "	?	—	87·3	?	?	?	82·3
	Mymensingh	Mymensingh .	29·596	29 654	+·015	ESE	125 7	90 3	13th "	77·0	10th "	87·7	78·1	82·9	+0·1	82·8
North Bengal.	Bogra	Bogra ...	29·550	29·613	—	E	107·9	91 8	13th "	76·8	10th "	89·3	78·2	83·8	+0·8	85·1
	Pubna	Serajgunge ..	29·581	29 627	+·006	E	76 2	92·6	13th "	77·2	10th "	89 4	78·6	84·0	+0 9	84·5
	Rajshahye	Rampore Beauleah.	29·531	29 600	+·019	ESE	256·0	92·3	10th & 13th July	77·6	12th "	89·9	78 6	84·2	+0 9	86·0
	Maldah	Maldah ...	29·528	—	—	SE & E	92·8	93·8	10th "	78·2	8th "	92·8	79·4	86·1	—	87·2
	Dinagepore	Dinagepore ..	29·506	29·626	+·023	SE	153	92 6	13th "	78·6*	7th, 10th, July	89·7*	79 3*	84·5*	+0·6*	84·6
	Rungpore	Rungpore ...	29·501?	29·625?	—·030?	E	126	94 3	13th "	77·7	7th "	90·6	78 8	84·7	+0·9	85·6
	Julpigoree ..., Cooch Behar ...	Julpigoree ...	29·359	29·646	+·038	E	90·4	92·0	13th "	68·8	12th "	88 2	74·8	81·5	—1·2	83·6
	Darjeeling Hill Tracts ...	Darjeeling ...	22·935	—	+·026	Calm	86	69·6	13th "	56·7	9th "	66 1	57·8	62·6	—0·4	63 5
North Behar.	Purneah ..., North Bhagulpore ...	Purneah ...	29·190	29·615	+·005	ENE	37·1	92·2	13th "	73·6	9th "	90 3	75·9	83·1	—2·0	85·5
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga ..	29·438	29·604	+·008	E	157	92·4	13th "	78 3	13th "	90·7	80·8	85·8	+1·1	84·2
	Chumparun	Motihari ...	29 359	29·385	—·011	E	205·9	92·7	13th "	71·8	13th "	91·0	78·3	84·7	+0·4	86·2
	Sarun	Chupra	29·384	29 577	—·011	E	122·3	90·0	12th "	76·1	7th "	85·9	79·7	82·8	—2·3	85·7
South Behar.	Shahabad	Dehree .	29·208	29·558	—·025	Easterly	202·7	94·3	9th & 13th July	78·0	7th "	92·2	80·7	86·5	+3·2	87·4
		Buxar .	29·323	29·563	—·013	E	102·7	92·4	13th "	78·7	10th, 11th July	89·9	79·6	84·8	+0·9	87·0
		Arrah ..	29·374	29 569	+·004	E	81·6	94 4	13th "	79·1	7th "	90·6	80·3	85 5	+1·4	85·8
	Gya	Gya .	29·189	29·563	—·037	Calm	61·1	94·5	13th "	77·8	7th "	91·6	79·6	85·6	0	87 8
	Patna	Bankipore .	29·596	29·579	—·014	E	110·7	94·4	13th "	78·7	7th "	90 5	80·4	85·5	—0·7	85·9
	South Bhagulpore ..., Monghyr ...	Bhagulpore ...	29·431	29·592	+·004	E	57	92·4	13th "	77·5	9th "	90·3	79 2	84 8	+0·4	85·9
	Sonthal Pergunnahs ...	Doomka ...	29·096	—	—	ESE	100·6	91·1	9th "	78·7	11th "	89·3	78·4	83·8	—	84·9
Chota Nagpore.	Hazaribagh	Hazaribagh .	27·605	29·592	—·002	Variable	203·6	86·5	12th & 13th	73·6	7th "	85·2	74 5	79·9	+0·1	80·0
	Lohardugga ..., Manbhoom ...	Ranchee ...	27·483	29 584	—·002	North-easterly	148·6	86·0	9th "	72·4	8th, 9th July	84·6	73·0	78·8	+0·7	79·7
	Singhbhoom	Chyebassa ...	28·818	—	—	SSW	52·5	93 2	11th "	77·7	7th "	91·5	78·5	85·0	—	85·5
Assam.	......	Sibsagur ...	29·364	29·698	+·009	SSE	65	95·6	13th "	76·6	8th "	89 1	77·7	83·4	—1·1	81·4
	......	Dhubri ...	29·534	29·651	+·005	Calm	98·0	88·2	10th "	74·3	13th "	86·2	76·9	81·6	—2·0	82·7
	......	Silchar ...	29·581	29·686	—·015	Calm	48	96·6	13th "	75·3	11th "	90·5	77·6	84·1	+0·9	84·5

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years.

The *humidity* of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 12 stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Means for six days.

for the week ending Friday, the 13th of July 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district.	Of week. Normal mean.	Since 1st of Month. Mean for district.	Since 1st of Month. Normal mean.	Since 1st of Month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
87	6·7	0·24	1·12	2·48	1·73	4·67	−2·94	5·92	14·88	−8·96	2·8	4·1	Pooree		ORISSA.
81	6·1	0 63		—	—	—			—			—	Gopalpore ...	Pooree	
76	9·0	0·50		—	—	—			—			—	False Point ...		
72	7·9	2·10	1·44	2·65	3 02	4·99	−1·97	7·60	16·74	−9 14	3·4	3·7	Cuttack ...	Cuttack	
80	7·0	0 30	0·73	3·07	2·73	5·03	−2·30	10·63	16·09	−5·46	2·5	4·1	Balasore ...	Balasore	
84	8·9	0·65	0·53	3·73	2·07	6·30	−4·23	6·14	18·36	12·22	4·9	4·4	Saugor Island ...	South-West Midnapore	SOUTH-WEST BENGAL.
														South 24-Pergunnahs	
79	5·0	0·69	1·49	3·23	5·93	5·39	+0·54	13·10	16·97	−3·87	3·8	4·1	Midnapore ...	Midnapore	
														24-Pergunnahs... ...	
83	9·0	1·57	2·10	2·53	7·06	4·60	+2·46	16·90	17 14	−0·24	5 1	4·7	Calcutta ...	Howrah	
														Hooghly	
83	8·3	0·52	1·36	2·15	7·75	3·90	+3·85	16 15	15·42	+0·73	4·7	4·0	Burdwan ...	Burdwan	
77	7·1	0·22	1·55	2·95	7·30	5 19	+2·11	16·57	16·96	−0·39	3·5	4·7	Bankoora ...	Bankoora	
79	7·3	2 50	1·57	3·11	5 69	5·00	+0·69	13·91	16·91	−3·00	5 3	5·0	Raneegunge ...	Beerbhoom	
														West Burdwan ...	
82	9·7	1·83	1·10	2·35	5·18	4 95	+0·23	12·79	17 37	−4·58	4·0	4·2	Berhampore ..	Moorshedabad	
78	7·7	0·70	1·15	2·41	6·07	4 69	+1·38	12·28	17·92	−5 64	4·2	4·1	Krishnaghur ...	Nuddea	
82	9·1	0·66	3·40	2·21	7·22	4·31	+2·91	14 96	20·02	−5·06	8·3	4·3	Jessore ...	Jessore	
														Khoolna	
87	8·4	2·07		6 77		11·82			46 74			5·6	Chittagong ...	Chittagong	EAST BENGAL.
				3·86		6·75			30·99			5·2	Demagiri ...	Chittagong Hill Tracts	
85	8·0	1·26	1·98	3 44	7·94	7·26	+0·68	16·21	30·36	−14·15	5·3	5·5	Barrisal ...	Backergunge	
86	8·3	2·27	3·01	5·24	9·91	9·36	+0·55	24·18	41·44	−17 26	4·5	5·5	Noakholly ...	Noakhloly	
85	4·4	1·06	0·70	2·37	4·73	4·59	+0·14	15·27	21·48	−6·21	3·3	4·4	Furreedpore ...	Furreedpore	
85	7·3	0·67	1·19	3·00	4·92	5 37	−0 45	19·50	22·31	−2·81	4·3	4·5	Dacca ...	Dacca	
84	5·4	1·05	0·91	3·05	4·15	5·34	−1·19	21·88	26·22	−4·34	2·8	4·8	Commillah ...	Commillah	
87	8·1	1·67	1·62	2·80	5·58	5·20	+0·38	31·30	26·79	+4·51	4·6	4·2	Mymensingh ...	Mymensingh	
81	8·0	1·86	2·21	2·83	4·43	5·58	−1·15	19·48	22·80	−3·32	4·3	4 0	Bogra ...	Bogra	NORTH BENGAL.
84	6·6	2·18	2·29	2·46	6·01	4 79	+1·22	18·43	19·77	−1·34	5·3	4·0	Serajgunge ...	Pubna	
78	4·1	1·05	2·55	2 71	4·24	5·63	−1·39	10·95	18·95	−8·00	4·5	3·7	Rampore Beauleah	Rajshahye	
79	4·7	1·87	1·70	3·33	4·08	6·04	−1·96	8·00	20·72	−12·72	5·0	4·9	Maldah ...	Maldah	
84	7·3	1·66	1·56	3·06	4 91	6 36	−1·45	17·08	24·57	−6·89	5·0	4·2	Dinagepore ...	Dinagepore	
82	3 4	2·44	1·87	3·59	5·13	6·91	−1·78	31·47	35·61	−4·14	3·3	3·4	Rungpore ...	Rungpore	
87	8·4	14·12	16·47	3·98	10 42	9·29	+1·13	47·54	49 06	−1·52	4·6	4·2	Julpigoree ...	Julpigoree	
														Cooch Behar	
93	9·6	8·52	8·14	7·77	17·74	17·00	+0·74	43·18	52·85	−9·67	6·3	5 8	Darjeeling ...	Darjeeling Hill Tracts	
87	4·4	5·70	3·86	2·82	7·62	6·54	+1 08	18·54	21·18	−0·64	4·2	4·0	Purneah ...	Purneah	NORTH BEHAR.
														North Bhagulpore ...	
			0·50	2 63	7·33	5·61	+1·72	14·16	14·15	−0·29	1·7	3·1	Mozufferpore ...	Mozufferpore	
83	7·1	0·68	0·70	2 65	6·14	5·82	+0·32	14 95	15 32	−0 37	4·3	3·2	Durbhunga ...	Durbhunga	
77	7·9	0·62	0·53	3 34	4·33	6·29	−1·96	14·09	15·80	−1 71	3·5	3·1	Motihari ...	Chumparun	
84	8·0	1·07	1·11	3·07	5 11	5·90	−0 79	9·19	13 50	−4·31	3·0	3·7	Chupra ...	Sarun	
75	5·0	0·68											Dehree ...		SOUTH BEHAR.
76	7·7	4·54	2·69	2·69	5·95	4·64	+1·31	7·93	10·53	−2 60	3·8	3·8	Buxar ...	Shahabad	
82	8·3	2·28											Arrah ...		
74	7 6	0·59	0·41	2·17	3·52	4·83	−1·31	6·34	11 85	−5·51	1 8	3·5	Gya ...	Gya	
82	9·7	1·48	2·22	2 55	6·72	5·19	+1·53	9·55	12 86	−3·31	2·8	3·8	Bankipore ...	Patna	
80	3·6	3·38	1·86	2 17	4·94	4·65	+0·29	9·15	12·23	−4·08	3·6	4·1	Bhagulpore ...	South Bhagulpore ...	
														Monghyr	
79	4·7	1·25	2·60	[illegible]	5·78	5 33	+0·45	12·23	16·71	−4 48	4·7	4·4	Doomka ...	Southal Pergunnahs...	
80	10·0	2·85	1·60	2·82	6·51	5·58	+0·93	9·47	15·49	−6·02	4·4	4·6	Hazaribagh ...	Hazaribagh	CHOTA NAGPORE.
80	9·1	1·52	1·21	3·26	6·27	5·40	+0·87	10 42	15·22	−4·80	4·1	5·1	Ranchi ...	Lohardugga	
			1·09	2·69	5·27	4·79	+0·48	9·66	14·62	−4·96	5·5	4·7		Manbhoom	
70	8·0	0·41	0·42	2·70	2·89	4·59	−1·71	7·90	15 48	−7·49	3·0	4·1	Chyebassa ...	Singbhoom	
92	9·6	3·28											Sibsagar	......	ASSAM.
87	7·0	1·44											Dhubri	......	
82	7·4	5·83											Silchar	......	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ears. The means of the distric are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 13th of July 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 7th July.	Sunday, 8th July.	Monday, 9th July.	Tuesday, 10th July.	Wednesday, 11th July.	Thursday, 12th July.	Friday, 13th July.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	......	0·12	0·30	2	0·51	0·74	3·77	6·93	13·23
		Khurdah ...	......	0·87	0·06	......	......	0·01	0·87	4	1·81	2·17	4·75	7·15	16·36
		Banpur ...	......	0·25	......	......	......	1·30					5·15	*	13·52
		False Point ...	......	......	......	......	......	0·09	0·51	2	0·60	1·20	5·02	5·06	16·44
		Gop ...											?		?
		Pipli ..											?		?
	Cuttack ..	Jagatsingpore											4·02		12·68
		Banki ..	0·04	1·18	......	......	......	0·25	1·12	4	2·59	5·98	5·88	11·79	18·34
		Cuttack ...	......	0·29	......	......	......	0·32	0·25	3	0·86	2·56	4·99	6·69	19·32
		Kendrapara ...	0·01	0·19	......	......	......		0·19	3	0·39	1·19	4·48	7·06	15·34
		Jajpore ...	......	0·32	......	0·34	......	0·04	0·32	4	1·02	2·24	5·59	7·64	18·00
		Dharmsalla .	......	......	0·70	0·95	......	......	0·70	3	2·35	3·15	?	7·45	?
		Salipore ...	......	0·06	......	......	......	0·10					?		?
	Balasore ...	Chandbali ...	......	......	......	......	0·20	......	0·10	2	0·30	1·80	3·91	5·31	14·07
		Bhuddruck ...	......	......	......	0·16	......	0·13	0·35	3	0·66	1·60	4·57	9·40	16·56
		Sorah ...	......	......	0·29	......	......	......	0·99	2	1·28	1·40	4·71	9·90	14·65
		Balasore ..											5·07		17·00
		Jellasore ..	......	0·30	......	......	......	0·22	0·60	3	1·12	3·60	5·90	14·75	16·59
		Baripodah ...	......	......	......	......	0·09	0·08	0·53	3	0·70	5·33	5·43	15·14	17·61
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	......	0·04	0·11	......	......	0·05	0·16	4	0·36	1·68	5·77	6·39	17·37
		Saugor Island	0·09	......	0·21	......	0·24	0·07	0·13	5	0·74	2·08	6·81	6·95	19·12
		Tumlook ...	......	......	......	0·60	......	......	1·20	2	1·80	4·70	4·06	11·86	15·74
		Midnapore ...	0·31	......	0·05	0·68	0·08	......	1·05	5	2·17	8·37	5·59	14·49	16·31
		Ghattal ...	......	0·01	0·11	......	......	......	0·39	3	0·51	4·73	6·82	14·42	18·85
		Kukrahaty ...	0·28	0·62	0·23	......	0·21	...	0·29	5	1·63	4·12	?	9·08	?
		Heria ...	......	0·28	0·12	......	0·43	......	0·09	4	0·92	2·79	?	9·15	?
		Bhagwanpore	......	......	......	......	......	......	0·39	1	0·39	2·75	?	10·25	?
		Garbeta ...	......	......	0·44	......	......	......	0·29	2	0·73	10·50	?	17·46	?
	24-Pergunnahs	Diamond Harbour ...	0·17	......	0·26	......	......	......	0·06	3	0·49	2·45	6·51	5·92	18·60
		Canning Town	0·65	1·32	0·57	0·04	......	0·03	0·07	6	2·68	0·57	?	12·47	?
		Alipore Jail ..	0·42	......	0·82	0·23	0·03	......	0·32	5	1·82	5·43	5·10	12·24	17·90
		Barrackpore...	1·12	0·05	0·27	0·25	0·07	......	0·30	6	2·06	6·81	4·06	16·76	16·84
		Dum-Dum ...	0·06	......	0·45	0·22	0·15	......	0·36	5	1·24	5·39	4·17	13·95	16·95
		Baraset ..	2·05	......	0·29	0·04	0·06	......	0·36	5	2·80	9·27	3·95	21·34	16·34
		Buseerhat ...	0·13	......	2·63	0·12	0·12	......	0·28	5	3·65	7·56	4·85	17·66	19·46
	Howrah ..	Howrah ...	0·06	0·02	0·09	0·02	0·16	0·11	0·50	7	1·58	5·01	4·71	14·44	17·18
		Mohesreka (*Ooloberiah.*)	......	......	0·49	......	0·16	......	0·69	3	1·34	6·06	5·48	13·79	17·11
	Hooghly ..	Serampore ...	0·58	......	0·32	0·28	0·20	......	0·53	5	1·91	6·17	4·24	15·62	16·11
		Hooghly ...	2·28	..	0·27	0·35	0·05	0·03	0·08	6	3·06	9·01	4·03	23·83	15·88
		Jehanabad ...	......	1·14	0·10	0·02	......	......	0·73	4	1·99	9·37	5·39	19·83	17·49
	Burdwan ...	Culna ...	1·35	......	0·41	0·20	0·10	0·10	...	5	2·16	7·90	3·85	10·22	14·82
		Burdwan ...	......	......	0·07	0·12	0·13	0·13	0·52	5	0·97	8·46	4·03	15·05	15·16
		Cutwa ...	0·27	......	0·17	0·06	......	......	0·14	4	0·94	6·89	3·83	17·85	16·56
		Raneegunge ..	0·01	0·01	0·02	..	0·11	0·03	1·73	6	1·91	10·15	5·11	20·45	15·01
		Mankur ...	0·13	0·33	......	0·22	0·32	......	0·27	5	1·27	11·90	?	15·62	?
	Bankoora ...	Bankoora ...	0·07	......	...	......	0·09	......	0·07	3	0·23	4·44	4·86	15·39	16·49
		Bishenpore ...	......	......	2·70	......	......	0·09	0·03	3	2·82	7·82	5·06	14·08	17·45
		Malhara ...	0·21	......	0·37	......	......	0·23	0·78	4	1·59	8·29	5·67	17·36	16·25
		Khatra ...	0·55	......	0·06	......	......	0·80	0·14	4	1·55	8·64	5·16	18·93	17·63
		Indas ...	1·10	...	0·03	0·04	0·25	......	0·20	5	1·62	7·61	?	15·47	?
		Kotalpore ...	......	......	0·40	......	......	......	0·28	2	0·68	5·09	?	12·42	?
		Anda ...	0·20	0·20	0·84	......	0·30	......	......	4	1·54	5·41	?	9·53	?
		Gangajalghati	0·57	......	0·36	......	......	0·19	0·16	4	1·28	7·94	?	17·35	?
		Raipore ...	......	......	......	......	0·35	......	0·25	2	0·60	6·97	?	15·31	?
		Sonamukhi ...	2·42	......	0·35	......	......	......	0·56	3	3·33	9·15	?	16·98	?
	Beerbhoom .	Bh. Soory ...	0·09	0·02	1·38	0·03	0·16	......	0·17	6	1·85	4·37	5·46	11·99	18·11
		Hetampore ...	0·15	......	0·16	......	......	0·13	0·32	4	0·76	3·81	5·19	10·42	18·22
		Rampore Haut	.	0·77	0·39	0·32	0·12	......	0·15	5	1·75	4·42	4·10	14·00	16·21
		Bolpore ...	......	0·21	0·12	......	......	......	0·67	3	1·00	5·31	?	12·73	?
		Murarai ...	......	1·00	......	0·10	0·19	......	0·36	4	1·65	5·35	?	?	?
	Nuddea ...	Ranaghat ...	0·03	0·86	0·22	0·09	0·08	0·58	0·60	7	2·46	8·86	4·45	20·33	16·92
		Kishnaghur ...	......	0·21	0·08	0·13	0·11	0·17	0·03	6	0·73	4·48	4·42	12·80	15·94
		Chooadanga ...	......	......	0·70	0·03	0·32	......	......	3	1·05	4·93	5·06	11·21	18·85
		Meherpore ...	......	......	......	......	......	0·21	0·34	2	0·55	5·57	4·42	13·14	17·41
		Kooshtea ...	0·08	......	0·77	......	......	......	0·12	3	0·97	6·55	5·11	6·08	20·47
	Khoolna ..	Satkhira ..	1·70	0·37	2·71	0·70	0·02	......	0·18	6	5·68	7·71	5·02	12·97	20·48
		Bagirhat ...	......	0·32	0·20	0·55	......	......	0·44	4	1·51	6·93	5·38	14·63	22·89
		Khoolna ...	0·04	......	2·06	0·06	0·11	......	0·26	5	2·53	7·60	4·19	13·83	19·91
	Jessore ...	Narail ...	1·11	......	0·13	......	0·02	......	0·17	4	1·43	4·11	3·46	9·57	17·59
		Jessore ...	0·11	......	0·31	0·07	0·19	......	0·08	5	0·76	7·05	4·29	15·09	20·51
		Jhenidah ...	......	......	......	0·26	0·17	......	0·22	3	0·65	4·97	4·12	13·48	20·41
		Magoorah ...	......	......	......	0·23	0·04	......	......	2	0·27	3·05	4·36	14·10	20·26
		Bongong ...	......	0·27	0·23	0·10	......	......	0·18	4	0·78	2·68	4·02	7·90	18·07
	Moorshedabad	Kandi ...	......	0·31	......	1·05	......	......	0·68	3	2·04	6·68	5·25	15·56	17·36
		Berhampore...	0·20	......	0·10	......	......	0·11	0·24	4	0·65	4·65	4·83	10·97	17·21
		Lalbagh ...	0·38	......	0·09	0·08	......	......	0·25	4	0·80	5·58	4·63	12·27	17·14
		Azimgunge ...	0·12	0·08	...	0·11	......	......	1·57	4	1·57	5·82	4·39	14·03	17·23
		Jungipore ...	0·31	0·11	0·03	......	......	......	0·37	4	0·82	4·36	5·06	11·61	16·79
		Lalgola ...	......	0·65									5·54		18·41
		Akhriganj ...	0·40	......	......	0·22	0·20	......	2·38	4	3·20	5·59	?	14·08	?
		Pathabari ...	......	......	......	......	......	......	0·55	1	0·55	4·51	?	17·05	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	1·52	0·82	1·96	0·02	......	0·09	0·67	6	5·08	23·98	15·78	45·73	55·59
		Chittagong ...	0·39	0·40	1·05	0·16	......	0·19					7·86		37·85
		Kutubdia ...	1·13	1·25	1·25	1·28	......						?		?
		Satkania ...	0·75	0·30	0·49	0·03	0·07	1·05					?		?
	Chittagong Hill Tracts.	Rangamati ...	0·15	0·30	0·07	0·04	......	0·40	0·21	6	1·17	3·22	7·27	17·53	30·69
		Ruma ...	0·25										6·23		31·26
	Backergunge	Patuakhally ..	1·26	0·15	1·39	0·65	0·15	......	0·45	6	4·04	10·31	8·45	19·19	35·27
		Ferozepore ...	0·09	......	0·31	0·25	0·09	......	0·22	5	0·96	8·65	6·28	19·05	30·15
		Burrisal ...	0·10	......	0·65	0·51	0·20	......	0·24	5	1·70	7·97	6·17	15·71	26·84
		Bhola ...	0·47	0·17	0·13	0·27	......	......	0·18	5	1·22	4·82	8·12	12·13	35·14

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 13th of July 1888—contd.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 7th July.	Sunday, 8th July.	Monday, 9th July.	Tuesday, 10th July.	Wednesday, 11th July.	Thursday, 12th July.	Friday, 13th July.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL —concld.		*Gournaddi* ...	......	......	1·25	0·13	......	......	0·13	3	1·51	7·57	?	17·16	?
		Bauphal ...	0·86	......	0·15	1·17	......	......	0·87	4	3·05	11·16	?	19·11	?
	Noakholly	Noakholly ...	0·45	1·29	0·18	0·21	......	0·07	......	5	2·20	11·20	8·98	25·09	39·73
		Fenny ...	1·65	1·42	0·70	......	......	......	0·05	4	3·82	8·63	9·74	22·37	41·12
		Harishpore ...	1·01	1·75	1·56	......	......	0·40					?		?
		Ramganj ...	0·20	0·25	0·08	0·06	......	0·05					?		?
	Furreedpore	Madaripore ...	0·35	......	0·40	......	......	......	0·13	3	0·88	4·89	4·57	15·39	22·16
		Furreedpore ...	0·08	0·06	0·12	0·06	......	......	......	4	0·31	5·08	4·79	16·60	22·34
		Goalundo ...											4·41		19·97
	Dacca ...	Munshigunge	0·48	0·20	0·07	0·94	......	0·34	0·14	5	2·17	6·24	6·05	22·44	26·40
		Dacca ...	0·23	......	0·18	0·27	......	......	......	3	0·68	2·69	4·82	14·93	22·30
		Narainganj	0·17	......	0·11	0·40	......	......	......	3	0·68	6·20	6·12	22·99	22·06
		Manickgunge	0·39	0·46	0·08	0·02	......	......	0·28	5	1·23	4·58	4·50	15·82	18·28
		Joydebpore ...	0·92	0·06	0·18	0·09	......	......	0·18	5	1·43	3·01	?	22·74	?
	Hill Tipperah	Agartola ...	......	0·44	......	......	......	......	0·80	2	1·24	2·63	4·64	25·77	23·41
	Tipperah	Comilla ...	......	0·45	0·06	......	......	0·26	......	3	0·77	3·38	6·19	15·98	29·76
		Chandpore ...	0·40	0·30	0·20	0·30	......	......	......	4	1·20	7·05	6·24	18·20	27·83
		Brahmunberia	......	0·97	......	......	......	......	0·35	2	0·42	3·54	4·28	31·13	23·86
		Ramchandrapore.	......	......	......	......	......	......	0·25	2	0·30	5·40	?	21·88	?
		Nasirnagar ...	......	0·20	......	......	......	......	0·50	2	0·70	1·59	?	23·23	?
		Daudkandi ...	1·15	0·30	......	......	......	......	......	2	1·45	7·39	?	20·85	?
		Kasba ...	......	0·12	......	......	......	......	0·54	2	0·66	3·45	?	25·66	?
		Laksham ...	......	1·85	......	......	......	......	......	1	1·85	4·85	?	16·27	?
	Mymensingh	Kishoregunge	......	0·34	......	0·06	......	......	0·29	3	0·69	4·92	5·24	44·81	29·20
		Atia (*Tangail*)	......	......	0·28	0·14	......	......	1·54	3	0·96	4·01	3·92	14·96	30·10
		Mymensingh	0·37	0·84	0·11	0·16	......	......	0·40	5	1·88	4·15	5·85	31·83	30·79
		Jamalpore ...	0·32	0·50	0·07	0·02	0·10	......	0·09	6	1·10	4·59	5·13	28·88	24·58
		Netrokona ...	1·19	0·91	0·38	0·09	0·17	......	0·70	6	3·44	9·58	5·87	41·52	28·85
		Subornakhally	0·60	0·13	0·10	0·12	......	......	1·70	5	2·65	6·68	?	28·64	?
		Durgapore ...	0·90	2·30	0·70	0·50	......	......	......				?		?
		Dewanganj ...	0·62	0·37	......	......	0·03	......	0·18	4	1·20	3·65	?	21·72	?
NORTH BENGAL.	Pubna ...	Pubna ...	0·19	0·02	1·54	0·15	0·16	......	0·08	6	2·14	6·37	4·82	15·05	19·38
		Seraigunge ...	0·14	0·50	0·14	0·12	......	......	1·54	5	2·44	5·65	4·75	21·80	20·11
	Bogra ...	Sherpore ...	1·13	......	......	0·25	......	......	1·06	3	2·44	3·95	5·75	14·25	22·72
		Nowkhilla ...	0·19	1·07	0·12	0·81	0·05	......	0·80	6	3·04	5·79	4·30	24·94	20·36
		Bogra ...	0·84	0·10	......	0·42	......	......	0·18	4	1·54	3·72	6·10	18·53	25·24
		Panchbibi ...	0·84	0·37	0·39	0·23	......	......	......	4	1·83	4·37	6·15	20·15	22·24
	Rajshahye ...	Beauleah ...	0·01	0·03	......	0·11	0·40	......	0·41	5	0·96	1·62	5·61	5·71	18·38
		Nattore ...	3·20	......	0·20	0·25	......	......	0·50	4	4·15	6·87	5·65	16·18	19·49
		Naogaon ...	1·22	......	0·06	0·10	......	......	0·20	4	1·58	2·87	?	10·66	?
		Lalpore ...	......	......	......	0·25	......	0·40	0·30	3	0·95	2·61	?	9·03	?
		Manda ...	......	......	......	......	0·46	0·08	......	2	0·54	2·39	?	7·32	?
	Maldah ...	Maldah ...	0·09	0·05	......	0·89	0·07	0·02	0.75	6	1·87	5·69	5·78	8·31	19·46
		Chanchal ...	0·25	0·31	......	0·85	......	......	0·13	4	1·54	2·47	6·30	7·66	21·93
		Gajol ...	......	......	1·00	......	......	......	0·30	2	1·30	3·20	?	8·29	?
		Sibganj ...	1·55	0·81	......	0·32	0·03	......	0·54	5	3·25	6·21	?	12·02	?
	Dinagepore ...	Mohadebpore	0·02	0·12	0·03	0·40	0·12	......	0·08	6	0·77	3·56	5·34	10·74	22·57
		Churamon ...	......	0·59	0·07	0·65	......	......	0·14	4	1·45	4·00	6·28	10·07	22·40
		Raigunge ...	0·40	0·31	0·69	0·76	0·07	......	......	5	2·23	7·37	6·01	20·05	25·15
		Dinagepore ...	0·47	0·11	0·78	0·27	0·03	......	......	5	1·66	5·27	6·32	27·85	27·82
		Baloorghat ...	0·37	0·46	......	0·37	0·04	......	0·44	5	1·68	4·36	7·87	19·10	21·90
		Thakoorgoan	0·42	0·58	1·93	......	0·16	......	1·04	5	4·13	5·87	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	......	1·42	......	......	......	......	0·16	2	1·58	4·55	5·05	25·37	26·47
		Rungpore ...	0·93	0·72	......	0·23	......	0·05	0·10	5	2·03	4·89	6·55	26·79	35·01
		Kurigram ...	......	......	......	0·23	......	......	0·13	2	0·36	5·31	6·68	43·25	38·58
		Bagdogra (*Nilphamari*).	......	0·35	2·19	0·25	......	......	0·72	4	3·51	5·77	7·35	30·30	42·37
		Ulipore ...	0·22	......	......	......	......	0·39	0·31	3	0·92	4·84	?	30·50	?
	Julpigoree ...	Julpigoree ...	1·17	3·66	0·06	0·64	......	......	0·68	5	15·21	17·71	13·17	50·66	40·13
		Alipore Doar	0·47	0·86	1·25	0·55	0·51	0·62	0·07	7	4·32	7·17	?	44·45	?
		Fallacotta ...	0·63	2·90	0·48	......	2·71	......	0·11	5	6·88	9·38	?	43·16	?
		Debiganj ...	0·14	1·34	2·27	0·26	......	0·01	1·36	6	5·38	7·57	?	40·02	?
		Dimhatta ...	0·51	......	0·09	1·38	......	......	0·35	4	2·33	7·35	5·84	51·25	43·59
	Cooch Behar...	Cooch Behar...	0·28	0·78	......	0·70	0·32	......	0·70	5	2·78	9·30	10·81	51·58	56·53
		Micklygunge...	1·25	0·21	4·00	0·56	......	......	0·34	5	6·36	8·75	8·06	42·95	44·88
		Matabhanga...	1·36	2·70	......	0·84	......	......	0·27	4	5·67	9·00	8·55	41·31	51·06
	Darjeeling Hill.	Buxa ...	1·09	1·43	2·44	1·70	0·05	......	0·05	6	6·76	20·59	25·42	71·77	84·32
		Silliguri ...	1·04	5·83	2·24	0·90	0·13	......	0·15	6	10·29	16·95	16·24	45·39	49·88
		Darjeeling ...	0·73	1·97	1·31	2·07	2·30	......	0·04	6	8·46	19·53	14·01	31·69	44·52
		Kalimpong ...	0·35	0·81	1·70	1·93	1·72	0·24	0·29	7	7·04	13·89	12·29	23·73	34·61
NORTH BEHAR	Purneah ...	Kissengunge..	0·58	......	3·52	1·55	......	......	0·44	4	6·39	9·19	8·74	24·04	28·23
		Arrareah ...	......	0·85	1·95	0·45	0·81	......	1·25	5	5·31	9·32	7·38	23·26	23·61
		Purneah ...	0·03	0·45	2·69	1·10	0·34	......	0·04	6	4·65	9·58	5·62	18·47	20·16
		Gondwara ...	......	0·95	4·00	0·93	......	......	......	3	6·33		?		?
		Balarampore .	0·60	1·80	3·50	0·98	0·95	......	0·35	5	6·38		?		?
		Matiari ...	2·05	0·60	3·10	0·31	......	......	0·52	5	6·98	10·84	?	30·35	?
		Kaliaganj ...	......	1·00	0·21	......	......	......	......	2	0·81	3·86	5·54	14·91	16·71
	North Bhagulpore.	Maddapore ...	......	0·60	0·13	......	0·45	......	0·40	4	2·14	6·17	5·40	14·40	17·10
		Soopool ...	......	1·16	0·70	0·18	0·17	......	0·46	6	4·06	8·40	?	16·88	?
		Protabganj ...	0·45	2·10									?		?
	Durbhunga ...	Tajpore ...	0·35	0·03	0·01	0·08	......	......	0·08	5	0·55	5·19	5·66	11·86	14·40
		Durbhunga ...	......	......	......	......	0·09	......	0·83	2	0·92	3·93	6·18	13·71	15·55
		Madhubani ...	0·01	0·01	0·11	0·21	0·01	......	0·28	6	0·63	9·29	5·62	19·59	15·99
		Bahera ...	......	0·15	......	0·25	......	......	......	2	0·40	6·90	?	16·08	?
		Roshera ...	......	0·15	......	......	......	......	......	1	0·15	2·85	?	7·19	?
	Mozufferpore	Sitamarhi ...	0·10	......	......	......	......	......	0·12	3	0·22	9·10	5·79	16·83	15·33
		Mozufferpore	......	......	......	......	......	......	0·35	1	0·35	7·23	5·72	16·87	14·79
		Hajipore ...	......	......	0·21	0·71	......	......	......	2	0·92	5·65	5·33	10·03	13·26
		Paru ...	......	......	......	......	0·70	......	0·10	2	0·80	2·97	?	8·83	?
		Mahua ...	0·82	......	......	......	......	......	0·15	2	0·97	2·85	?	9·47	
		Sinhar ...	0·40	......	......	......	......	......	0·70	2	1·10	7·16	?	15·96	?
		Pupri ...											?		
	Chumparun ...	Motihari ...	0·15	......	0·09	0·09	......	......	0·27	4	0·60	4·15	5·82	13·83	15·12
		Bettiah ...	0·07	0·30	......	......	0·08	......	......	3	0·45	4·50	6·71	14·20	16·44
		Bagaha ...	......	0·32	......	......	......	......	0·05	2	0·37	3·28	?	18·19	?
		Burhurwa ...	......	......	0·34	0·15	......	......	......	2	0·49	3·90	?	12·21	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 13th of July 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 7th July.	Sunday, 8th July.	Monday, 9th July.	Tuesday, 10th July.	Wednesday, 11th July.	Thursday, 12th July.	Friday, 13th July.	Total. Number of rainy days.	Rainfall of week.	Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR —*concluded.*	Sarun ...	Gopalgunge ...	......	......	0·87	0·11	......	......	......	2	0·98	4·21	6·94	9·80	14·74
		Sewan ...	......	0·22	......	0·51	......	......	......	2	0·73	3·81	5·30	7·35	13·29
		Chuprah ...	0·65	0·03	0·82	0·10	0·01	......	......	5	1·61	7·28	5·47	10·43	12·47
SOUTH BEHAR	Shahabad ...	Buxar ...	......	......	0·14	2·16	0·46	......	......	3	2·76	5·15	4·42	8·54	10·02
		Dehree ...	......	......	0·15	0·53	......	......	0·26	3	0·94	5·72	4·07	8·09	9·78
		Bhuboosah ...	2·00	......	0·90	1·10	0·30	......	0·62	5	4·92	7·77	4·98	9·64	10·82
		Sasseram ...	0·67	......	......	......	......	......	0·80	2	1·47	4·84	4·20	5·29	10·04
		Arrah ...	1·15	0·45	1·07	0·07	0·43	......	0·17	6	3·34	6·74	4·07	8·06	12·09
		Mohania ...	1·50	0·30	......	0·13	......	......	......	3	1·93	4·53	?	7·73	?
	Gya ...	Aurungabad...	......	......	......	......	......	......	......	Nil.	Nil.	4·43	4·64	7·56	11·76
		Gya ...	0·02	......	......	0·57	......	......	0·06	3	0·65	3·31	4·37	6·60	11·94
		Nowadah ...	0·17	0·12	......	......	......	......	......	2	0·29	1·57	5·15	3·43	12·10
		Jehanabad ...	......	......	0·60	0·10	......	......	......	2	0·70	4·75	5·14	7·78	11·54
		Arwal ...	......	0·19	......	......	......	......	......	1	0·19	4·48	?	6·75	?
		Daudnagar ...	......	......	......	1·50	......	......	......	1	1·50	4·17	?	4·87	?
		Sherrghati ...	......	......	......	0·70	......	......	......	1	0·70	3·72	?	3·02	?
		Rajauli ...											?		?
		Pakri Barawan	0·03	1·05	1·00	......	......	......	......	3	2·08	4·11	?	5·41	?
	Patna ...	Patna ...	0·30	1·10	......	0·08	......	......	......	3	1·48	5·59	5·00	9·21	13·45
		Dinapore ...	1·61	2·04	......	0·47	......	......	......	3	4·12	7·88	4·96	13·44	12·72
		Behar ...	1·73	0·51	......	0·23	......	......	......	3	2·47	9·21	5·28	11·28	13·22
		Barrh ...	0·60	......	......	0·20	......	......	......	2	0·80	4·20	5·53	6·80	12·04
		Bickram ...	......	......	1·00	......	......	......	......	1	1·00	5·53	?	8·05	?
		Hilsa ...	1·80	0·12	......	......	......	......	0·03	3	1·95	6·84	?	10·04	?
	Monghyr ...	Begooserai ...	0·01	0·14	0·05	0·36	......	......	......	4	0·56	2·79	4·74	5·98	12·45
		Monghyr ...	......	2·35	0·38	1·26	0·02	......	0·03	4	4·04	8·03	4·93	12·26	13·16
		Jamui ...	0·08	......	......	0·61	......	......	0·06	3	0·75	3·38	4·92	7·94	12·81
		Gogri ...	......	0·22	3·15	2·15	......	......	0·20	4	5·72	10·27	?	15·79	?
		Sheikpura ...	......	0·76	1·95	0·02	0·05	......	......	4	2·78	7·78	?	12·02	?
	South Bhagulpore	Bhagulpore ...	......	......	3·03	0·45	......	......	0·07	3	3·55	8·13	4·20	14·13	13·55
		Banka ...	......	......	0·23	......	0·16	......	0·02	3	0·41	2·34	4·47	5·42	14·16
		Kolgong ...	......	......	3·68	......	......	......	0·35	2	4·03	6·14	?	14·82	?
	Sonthal Pergunnahs	Rajmehal ...	0·53	0·27	......	0·43	......	0·04	......	4	1·29	4·45	6·41	9·12	19·77
		Godda ...	0·22	0·25	0·12	0·13	0·02	......	0·01	6	0·75	4·73	4·33	13·46	14·85
		Pakour ...	0·19	2·50	......	0·31	0·16	......	1·52	5	4·76	7·90	5·45	15·50	19·02
		Nya Doomka	0·06	......	0·31	0·10	0·18	......	0·34	5	0·90	4·30	4·97	9·53	16·09
		Deoghur ...	0·42	0·79	1·08	0·13	0·15	......	0·07	6	2·54	7·09	5·53	12·50	15·90
		Jamtara ...	......	......	0·34	......	......	......	1·18	2	1·52	6·16	4·98	14·19	15·55
		Mahagama ...	......	0·35	1·15	......	......	1·10	0·05	4	2·65	6·91		?	
		Nayahat ...	1·05	......	0·45	0·29	0·51	......	0·21	5	2·51	4·01		9·89	
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*).	0·32	0·48	0·24	0·11	0·18	0·04	0·03	7	1·40	4·01	5·01	8·76	14·76
		Hazaribagh ...	......	......	1·25	0·19	0·08	0·07	0·15	5	1·74	9·61	5·57	12·01	14·23
		Semtagurah ...	......	0·60	1·40	0·15	0·20	0·10	0·33	6	2·78	7·67	5·11	8·81	15·05
		Mahudi Hills	0·43	......	......	......	......	......	0·35	2	0·50	4·98	5·21	8·03	14·09
		Jhoomrah Hills											6·93		14·26
		Barhi ...	......	......	0·45	......	0·62	......	......	2	1·07	9·13	?	10·86	?
		Chatra ...	0·60	......	0·23	......	......	......	......	2	0·83	10·15	?	12·89	?
		Karagdeha ...	......	2·60	0·30	......	......	......	......	2	2·90	7·90	?	11·44	?
		Ramghar ...	......	......	......	0·59	......	......	......	1	0·59	4·79	?	8·89	?
	Lohardugga ...	Lohardugga ...	0·05	0·11	0·02	0·74	......	......	0·12	5	1·04	5·69	5·82	9·64	17·53
		Ranchi ...	0·46	......	0·05	0·15	......	......	0·14	4	0·80	5·28	5·07	10·05	15·75
		Palamow ...	......	......	0·38	1·25	......	......	0·15	3	1·78	7·82	2·30	11·53	12·30
		Sili ...	......	......	0·08	2·00	......	......	......	2	2·08		?	?	?
		Balumat ...								Nil	Nil		?		?
		Hosseinabad...	......	......	......	0·65	......	......	......	1	0·65	6·15	?	8·66	?
		Gurwah ...	......	......	......		......	......							
	Singbhoom ...	Chyebassa ...	......	......	......	0·03	0·22	......	0·11	3	0·42	2·88	4·59	7·99	15·48
		Chakradharpore.	......	......	1·03	1·18	......	......	0·07	3	2·28	7·43	?	12·09	?
		Ghatsilla ...	0·09	...	......	......	0·45	0·05	0·05	1	0·61	5·27	?	9·76	?
		Baharagura...	......	...	......	......			1·35	1	1·35	5·85	?	18·31	?
	Manbhoom ...	Purulia ...	0·79	0·47	0·69	0·04	0·50	......	0·14	6	2·63	7·45	4·97	12·00	15·74
		Gobindpore ...	......	0·90	......	0·06	0·07	0·12	0·10	5	1·25	3·09	4·61	6·70	13·43
		Raghunathpore.	1·19	......	0·50	......	0·16	......	0·20	4	2·05	4·29	?	5·19	?
		Burrabhoom...	0·03	0·40	......	......	0·37	......	0·08	4	0·88	4·28	?	9·13	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—...... Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 17th July 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 13TH OF JULY 1888.

DURING the previous week ordinary monsoon conditions had prevailed for the greater part of the time over the province, though a distinct barometric depression had passed through the western districts. Thus heavy rain had been received in all districts except Orissa, and the falls over a considerable area had been nearly twice as large as the normal. At the commencement of the present week conditions continued of ordinary monsoon character, and for the first three or four days no change of any importance occurred. On the morning of the 10th, however, the observations generally showed that the monsoon current blowing at the head of the Bay was falling off in strength, though conditions still fairly were normal. On the 11th a rather rapid fall of pressure took place across the centre of the Bay, and winds began to show a slight tendency to cyclonic circulation over the same area. On the morning of the 12th these conditions had developed into a decided barometric depression accompanied by a well-marked cyclonic circulation of winds, though the velocities registered at the coast stations were small. On the morning of this day the centre of the small storm was probably a considerable distance from land and about south-east of Gopalpore. On the morning of the 12th all the ports on the west coast from Balasore down to Coconada were warned of the existence of the storm in the Bay. During the evening of the 12th the observations received indicated that the storm had intensified slightly, and that it was approaching the land in the direction of the South Orissa coast, and at 4 A.M. on the morning of the 13th the appropriate storm signals were hoisted in the port of Calcutta and in the river Hooghly, signifying that the storm would cross the coast to the south of False Point. The ports on the west coast were also warned of the movement of the storm at the same time. At 8 A.M. of the 13th the centre of the small storm was approaching the coast between Pooree and Gopalpore, and during the evening and night of the same day the centre crossed the coast between these two stations. Between midnight and one o'clock in the morning of the 14th, the ports on the west coast were again informed that the storm was passing inland, and the storm signals in the river and the port of Calcutta were lowered.

At no time did the storm appear to be a very fierce one as judged by the wind velocities or by the fall in the barometric pressure at the coast stations, though a most complete cyclonic circulation of winds accompanied the storm, but at sea rather bad weather undoubtedly existed. The log of the *City of Cambridge* has been kindly placed at the disposal of the Meteorological Office by Captain Thoms, and this steamer in her course from Ceylon to Calcutta passed through the south-east and east of the storm area, but probably at some considerable distance from its centre. The following are some portions of the description of the weather experienced by this vessel in her passage up the Bay :—On the 12th July.—"Very high sea getting up. Fierce squalls. Sea very heavy. 13th July.—Heavy gale with fierce squalls, very heavy sea, and later on wind and sea moderating. 14th July.—Hard squalls. Heavy sea. 8 P.M. arrived at Saugor." It is therefore evident that the small storm was decidedly fierce at sea, though as it passed over the land it appeared to be comparatively feeble

During the formation and existence of the small storm, as is usually the case, the rain-bearing winds were deflected from Bengal by the cyclonic circulation which had been set up, and rainfall was probably heavy over the sea area, and it was hence light over the large part of the province. For the latter half of the week, therefore, rainfall was generally not so heavy as in the earlier part, and thus rainfall for the week over the province has been considerably smaller than probably it otherwise would have been.

Pressure.—The pressure variations during the week have, as before described, been partly dependent on the formation and advance of the small storm in the Bay, and thus the mean pressures for the week at the Orissa stations generally show a very distinct defect. At False Point the defect has equalled 0·049 inch, and at Cuttack 0·042 inch. In other districts of the province the defects of the mean pressures from the normal have either been very small, or in some cases in the east and north of the province, pressure has even been slightly in excess of the normal. For the whole of Bengal the mean pressure for the week has been 0·012 inch in defect of the normal. In Assam, on the other hand, the average pressure has been in excess by 0·006 inch.

Temperature.—The variations of temperature during the week have been of very little importance. For the whole province the mean temperature for the week has been 0·4° in excess of the normal ; the largest excess registered is 1·0° in Orissa, where again rainfall has been scanty. On the other hand, temperature in Assam has been 0·7° below the normal.

Rainfall—Has been moderate only throughout the week ; the heaviest falls have occurred in North Bengal, the stations in which have averaged nearly three inches of rain. In South-West Bengal, East Bengal, North and South Behar, and in Chutia Nagpur the falls have averaged from one and a half to two inches ; while in Orissa the fall has only equalled about an inch. The fall in North Bengal has been equal to about 90 per cent. of the usual fall for the period ; in South Behar it has equalled 73 per cent.; in South-West Bengal and North Behar 59 per cent.; in Chutia Nagpur 52 per cent.; in East Bengal 48 per cent.; and in Orissa 36 per cent. Speaking roughly, therefore, the fall of the whole province has equalled about 60 per cent. of the normal.

In Assam the following rainfalls for the week are recorded :—At Silchar 5·83 inches, at Sibsagar 3·38 inches, and at Dhubri 1·44 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 13th of July 1888 :—

Meteorological Divisions	Temperature. Highest observed during week.	Lowest observed during week.	Averages for week. Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.	Rainfall. Of week. Average.	Normal average.	Variation.	Rainy days. Average number in week.	Normal average number in week.	Variation.	Since 1st of month. Average.	Normal average.	Since 15th May. Average.	Normal average.
Orissa	95·9	77·1	88·9	79·4	84·2	+1·0	1·00	2·78	−1·78	3·0	4·0	−1·0	2·55	4·92	6·96	15·99
South-West Bengal ..	94·8	75·6	90·0	79·1	84·6	+0·5	1·54	2·62	−1·08	4·3	4·4	−0·1	6·04	4·81	13·95	17·66
East Bengal	91·3	75·0*	86·9*	78·3*	82·6*	+0·3*	1·70	3·51	−1·81	3·6	4·8	−1·2	6·55	6·44	22·00	28·93
North Bengal	94·3	68·8	90·0	78·2	84·1	+0·5	2·90	3·24	−0·34	4·4	4·0	+0·4	5·98	6·71	25·08	30·03
North Behar	92·7	71·8	89·5	78·7	84·1	−0·7	1·70	2·86	−1·16	3·4	3·5	−0·1	6·41	6·08	14·77	16·70
South Behar .. .	94·5	76·7	90·6	79·7	85·2	+0·9	1·86	2·53	−0·67	3·5	4·0	−0·5	5·39	4·94	9·32	13·33
Chota Nagpur	86·5†	72·4†	84·9†	73·8†	79·4†	+0·4†	1·50	2·90	−1·40	4·6	4·7	−0·1	5·96	5·29	9·55	15·24
Assam	96·6	74·3	88·6	77·4	83·0	−0·7										

* Comilla not included.
† Chyebassa not included.

Meteorological Office, Bengal;
The 17th July 1888.

A. Pedler,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 8th to 14th July 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Hygrometry. Vapour tension.	Dew point.	Humidity.	Rain.
1888.							Inches.			Inches.
July ..	8th ...	83·2	92·2	12·6	79·6	80·5	1·006	79·4	88	0·01
" .	9th ..	82·3	86·7	6·9	79·8	80·8	1·032	80·2	93	1·21
" ..	10th ..	81·5	91·0	12·2	78·8	80·0	1·005	79·4	93	0·04
" ..	11th ...	82·7	91·0	12·2	78·8	80·5	1·0[illegible]	79·6	90	0·05
" ..	12th ..	84·4	93·8	15·0	78·8	80·3	·960	78·6	83	...
" .	13th ..	82·0	88·0	8·8	79·2	80·4	1·018	79·8	93	0·37
" ...	14th .	81·2	87·0	8·0	79·0	79·5	·936	78·8	92	0·23

The mean temperature of the seven days	...	...	...	82·5 °
The extreme variation of temperature	...	...	...	15·0
The maximum temperature ...	...	...	...	93·8
The mean relative humidity ...	...	...	...	90 %
The total fall of rain from 8th to 14th July 1888		...	...	1·91 Inches.

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Meteorological Office, India;
The 16th July 1888.

A. Pedler,
For Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM

The birth and death returns of the principal Municipalities in Bengal furnish the following results for the week ending 30th June 1888:—

1. That the birth-rate in these Municipalities amounted to 17·6 per 1,000 of population as opposed to 16·8 per 1,000 in the preceding week ending 23rd June, and the death-rate to 24·2 per 1,000 against the same ratio.

2. That the following Municipalities returned the highest proportions of births and deaths:—

Births	Ratio per *mille*.	*Deaths*	Ratio per *mille*.
Monghyr ...	34·4	Gya ...	60·8
Darjiling ...	32·6	Comillah ...	46·2
Burdwan ...	30·5	Darjiling ...	45·6
		Burdwan ...	32·0
		Bhagulpore ...	29·2

3. That in comparison with the results of the preceding week, there were no marked differences in the casualty-rates from any of the diseases specified in the following table:—

	Ratio per *mille* during the weeks ending— 30th June 1888.	23rd June 1888.
Cholera ..	2·9	2·5
Small-pox ..	·2	·3
Fever ..	9·5	9·8
Bowel-complaints ..	2·4	2·4
Injury ..	·4	·5
Other causes	8·8	8·7

4. That of the diseases abovenamed, cholera, fever and the maladies coming under the head of "Other causes" proved conspicuously fatal in the following Municipalities, and small-pox only in the Bali town, where the death-rate from it stood at 7· per 1,000 of population:—

Cholera.	Ratio per *mille*.	*Fever.*	Ratio per *mille*.	*Other causes.*	Ratio per *mille*.
Patna	7·8	Comillah	34·7	Gya	34·8
Chupra	7·8	Darjiling	26·1	Puri	14·7
Burdwan	4·6	Gya	23·2	Burdwan	13·7
Suburbs of Calcutta ...	3·7	Beauleah	21·0	Dacca	11·7
Howrah	3·4	Bhagulpore	19·9	Mongyr ...	10·8
				Suburbs of Calcutta ...	10·3

5. That the casualties in relation to *Sex*, *Class* and *Age* were returned at the rates indicated below:—

According to Sex.	Ratio per *mille*.
Males	26·2
Females	21·9
Ratio of male deaths to every 100 female deaths	135

According to Class.	Ratio per *mille*.
Christians	30·4
Hindus	23·6
Mahomedans	25·8

According to Age.	Ratio per *mille*.
Under 1 year	253·8
1 and under 5 years	50·2
5 " 10	14·3
10 15	7·7
15 20	20·4
20 30	14·2
30 40	12·5
40 50	13·0
50 " 60 "	14·7
60 years and upwards	47·2

R. LIDDERDALE, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

The 16*th July* 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 30th June 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
DISTRICTS.	NAMES OF MUNICIPALITIES.				NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.								DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan	18,063	16,017	34,080	9	11	20	13·7	16·8	30·5	81	3	...	9	...	...	9	21	4·6	...	13·7	...	...	13·7	32·0	21·4	8	13	23·0	42·2	61
Midnapore ...	Midnapore	16,927	16,633	33,560	5	3	8	7·7	4·6	12·4	168	.	...	...	1	1	3	5	...	...	...	1·5	1·5	4·6	7·7	15·5	2	3	6·1	9·4	66
Hughli	Hughli and Chinsurah ...	19,179	19,539	38,718	5	6	11	6·7	8·1	14·8	83	...	1	4	...	...	...	5	...	1·3	5·4	...	..	...	6·7	13·4	3	2	8·1	5·3	150
Serampore	Serampore	13,559	12,937	26,496	6	4	10	11·8	7·8	19·6	150	...	...	4	6	...	3	13	...	...	7·8	11·8	...	5·9	25·5	33·4	6	7	23·0	28·1	85
	Utterpara	3,046	2,464	5,510	1	1	2	9·4	9·4	18·9	100	...	...	...	2	...	1	3	...	...	...	18·9	...	9·4	28·3	9·4	2	1	34·1	21·1	200
Howrah	Howrah	53,153	37,660	90,813	11	16	27	6·3	9·2	15·5	68	6	...	6	6	1	10	29	3·4	...	3·4	3·4	·6	5·7	16·6	13·1	18	11	17·6	15·2	163
	Bali	7,836	6,979	14,815	1	3	4	3·5	10·5	14·0	33	...	2	2	...	...	1	5	...	7·0	7·0	...	...	3·5	17·5	24·6	3	2	19·9	14·9	150
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	49	38	87	10·1	7·9	18·0	128	18	1	53	11	4	50	137	3·7	·2	11·0	2·3	·8	10·3	28·3	26·7	80	57	28·3	28·4	140
Nuddea	Kishnaghur	13,263	14,214	27,477	5	2	7	9·4	3·7	13·2	253	..	...	3	...	...	...	3	...	...	5·6	...	...	...	5·6	5·6	2	1	7·8	3·7	200
	Ranaghat	4,028	4,655	8,683	...	...	...	..	...	...	......	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	...	...	...	...	.....
	Santipore	13,708	15,979	29,687	7	1	8	12·2	1·7	14·0	700	...	...	4	...	.	1	5	...	...	7·0	...	...	1·7	8·8	......	4	1	15·2	3·2	400
Jessore	Jessore	4,830	3,665	8,495	..	...	...	...	...	..	......	...	...	2	...	...	...	2	...	...	12·2	...	...	...	12·2	12·2	1	1	10·8	14·2	100
Rajshahye	Rampore Beauleah ...	10,766	9,025	19,791	3	5	8	7·9	13·1	21·0	60	1	...	8	1	1	...	11	2·6	...	21·0	2·6	2·6	...	28·9	28·9	3	8	14·5	46·0	37
Darjiling	Darjiling*	5,029	2,947	7,976	2	3	5	13·0	19·5	32·6	66	2	...	4	1	...	...	7	13·0	...	26·1	6·5	...	...	45·6	39·1	5	2	51·7	35·3	250
Dacca	Dacca	42,782	37,379	80,161	16	5	21	10·4	3·3	13·6	320	3	...	12	2	1	18	36	1·9	...	7·8	1·3	·6	11·7	23·3	18·2	29	7	35·2	9·7	414
	Narainganj	7,605	4,956	12,561	5	...	5	20·7	...	20·7	No female birth.	..	...	3	2	...	...	5	...	...	12·4	8·3	...	...	20·7	37·2	4	1	27·4	10·5	400
Chittagong	Chittagong	13,340	8,790	22,130	5	2	7	11·7	4·7	16·4	250	..	...	1	..	...	1	2	...	...	2·3	...	...	2·3	4·7	9·4	...	2	...	11·8	No male death.
Tipperah	Comillah	8,153	5,353	13,506	5	...	5	19·2	...	19·2	No female birth.	...	...	9	.	...	3	12	...	...	34·7	...	...	11·5	46·2	7·7	9	3	57·4	29·1	300
Patna	Patna City	78,762	81,475	160,237	23	12	35	7·5	3·9	11·4	191	24	...	20	10	...	23	77	7·8	...	6·5	3·2	...	7·5	25·0	28·6	39	38	25·8	24·3	103
Gya	Gya	38,290	37,831	76,121	20	18	38	13·7	12·3	26·0	111	2	...	34	2	...	51	89	1·4	...	23·2	1·4	...	34·8	60·8	57·4	48	41	65·2	56·4	117
Shahabad	Arrah	20,960	22,505	43,465	7	9	16	8·4	10·7	19·1	77	..	1	6	1	...	6	14	...	1·2	7·1	1·2	...	7·1	16·7	20·3	9	5	22·3	11·6	180
Mozufferpore ...	Mozufferpore	23,084	19,658	42,742	6	5	11	7·3	6·1	13·4	120	1	...	...	4	...	6	11	1·2	...	...	4·9	...	7·3	13·4	28·0	3	8	6·7	21·2	37
Durbhanga	Durbhanga	33,774	32,322	66,096	19	9	28	14·9	7·1	22·0	211	2	.	11	3	2	8	26	1·6	...	8·6	2·4	1·6	6·3	20·5	24·4	15	11	23·1	17·7	136
Sarun	Chupra	26,044	27,205	53,249	3	3	6	2·9	2·9	5·8	100	8	1	6	1	...	3	19	7·8	1·0	5·8	1·0	...	2·9	18·6	14·6	14	5	28·0	9·6	280
Bhagulpore	Bhagulpore	29,640	27,813	57,453	12	19	31	10·9	17·2	25·1	63	2	.	22	..	1	8	33	1·8	...	19·9	...	·9	7·2	29·8	38·9	20	13	35·1	24·3	153
Monghyr	Monghyr	28,154	29,366	57,520	22	16	38	19·9	14·5	34·4	137	1	...	13	4	...	12	30	·9	...	11·8	3·6	...	10·8	27·1	20·8	18	12	33·2	21·2	150
Purneah	Purneah	8,463	6,553	15,016	1	2	3	3·5	6·9	10·4	50	...	..	2	1	...	...	3	...	...	6·9	3·5	...	...	10·4	6·9	1	2	6·1	15·9	50
Puri	Puri	13,247	11,537	24,784	5	1	6	10·5	2·1	12·6	500	...	..	3	2	...	7	12	...	...	6·3	4·2	...	14·7	25·2	29·4	8	4	31·4	18·0	200
	TOTAL ...	702,890	619,691	1,322,581	253	194	447	9·9	7·6	27·6	130	73	6	241	60	11	224	615	2·9	·2	9·5	2·4	·4	8·8	24·2	24·2	354	261	26·2	21·9	135

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

Districts.	Names of Municipalities.	13					14					15										16									
		Mortality according to—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	15	6	...	...	...	32·9	30·4	...	...	9	2	...	1	1	3	1	1	...	3	709·1	46·1	......	20·7	16·6	19·7	7·5	11·8	......	105·3
Midnapore ...	Midnapore ...	...	1	4	...	...	...	2·0	23·8	...	...	...	...	...	...	1	1	1	...	...	2	......	......	......	......	16·5	7·1	9·4	......	......	36·8
Hughli ...	Hughli and Chinsurah ...	...	5	...	...	...	...	8·2	...	...	...	...	2	1	...	...	1	1	...	...	...	......	39·0	14·9	......	......	6·8	7·4	......	......	......
Serampore ...	Serampore ...	...	9	4	...	...	...	18·5	217·7	...	...	1	3	...	...	...	3	...	1	1	4	73·3	86·4	......	......	......	27·1	......	15·4	27·2	149·5
	Utterpara ...	...	3	...	...	...	...	29·3	...	...	...	1	...	...	...	...	...	...	1	...	1	323·0	......	......	......	......	......	......	74·2	......	200·0
Howrah ...	Howrah ...	...	18	11	...	...	...	13·7	27·9	...	...	8	3	1	1	4	5	2	...	2	3	201·6	28·2	8·3	7·9	28·4	11·5	5·4	......	19·0	41·6
	Bali ...	...	5	...	...	...	...	19·4	...	...	...	1	1	1	...	...	...	...	...	...	2	143·6	52·1	48·9	......	......	......	......	......	......	142·1
24-Pergunnahs ...	Suburbs of Calcutta ...	3	88	46	...	...	38·5	30·5	24·8	...	...	29	13	5	3	9	25	19	12	12	10	316·5	41·8	13·1	8·7	26·0	22·4	19·2	18·4	36·8	36·5
Nuddea ...	Kishnaghur ...	...	...	3	...	...	...	...	18·8	...	...	...	...	...	...	...	...	...	1	2	...	......	......	......	......	......	......	......	15·9	49·4	......
	Ranaghat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	......	......	......	......	......	......	......	......	......
	Santipore ...	...	5	...	...	...	...	12·6	...	...	...	2	...	...	...	...	...	...	...	1	2	123·1	......	......	......	......	......	......	......	22·6	53·0
Jessore ...	Jessore ...	...	1	1	...	...	...	11·5	13·6	...	...	1	...	1	...	...	...	...	...	...	...	268·1	......	65·5	......	......	......	......	......	......	......
Rajshahye ...	Rampore Beauleah ...	...	5	6	...	...	...	26·2	31·8	...	...	2	1	...	...	2	...	1	2	...	3	256·3	36·7	......	......	62·6	......	14·4	48·4	......	162·0
Darjiling ...	Darjiling ...	1	6	...	...	...	46·5	67·9	...	...	...	...	4	...	...	2	...	1	...	...	...	......	323·5	......	......	162·5	......	36·3	......	......	......
Dacca ...	Dacca ...	...	22	14	...	...	...	28·4	18·5	...	...	5	5	1	1	2	3	7	6	1	5	137·0	35·3	5·2	6·5	14·2	10·2	31·2	37·2	11·0	46·6
	Narainganj ...	...	4	1	...	...	...	32·9	8·4	...	...	1	1	...	...	1	...	1	...	...	1	186·4	45·6	......	......	49·8	......	24·3	......	......	79·8
Chittagong ...	Chittagong ...	...	...	2	...	...	...	...	6·8	...	...	1	...	...	...	...	1	...	...	...	...	92·4	......	......	......	......	11·2	......	......	......	......
Tipperah ...	Comillah ...	...	2	10	...	...	...	17·5	70·4	...	...	2	2	1	...	...	...	3	1	...	3	350·2	79·5	31·9	......	......	......	78·2	39·6	......	230·1
Patna ...	Patna City ...	2	58	17	...	...	293·0	25·4	21·6	...	...	18	14	5	2	5	12	5	7	3	6	217·2	49·8	15·4	7·2	23·3	21·6	11·2	19·3	11·0	22·6
Gya ...	Gya ...	...	64	25	...	...	...	55·4	80·9	...	...	25	27	...	4	3	5	5	3	3	14	726·3	221·0	......	30·9	29·3	17·7	20·4	16·0	23·7	141·4
Shahabad ...	Arrah ...	...	12	2	...	...	...	20·1	8·4	...	...	...	7	6	...	...	1	...	...	...	...	......	82·1	60·8	......	......	6·6	......	......	......	......
Mozufferpore ...	Mozufferpore ...	1	1	9	...	...	223·2	1·7	37·5	...	...	5	...	...	...	1	3	1	...	...	1	272·3	......	......	......	17·1	18·2	7·5	......	......	21·3
Durbhanga ...	Durbhanga ...	...	16	10	...	...	...	17·2	29·6	...	...	7	5	2	1	...	1	4	2	1	3	238·3	34·2	13·3	9·4	......	3·9	18·6	20·8	11·9	48·3
Sarun ...	Chupra ...	...	16	3	...	...	...	20·2	13·0	...	...	4	2	6	3	1	2	...	...	...	1	144·0	19·6	50·6	30·3	14·6	10·9	......	......	......	15·0
Bhagulpore ...	Bhagulpore ...	...	23	10	...	...	...	30·1	30·2	...	...	8	5	4	...	4	4	1	...	1	3	348·4	70·3	35·4	......	49·7	19·0	5·6	......	12·2	43·3
Monghyr ...	Monghyr ...	...	24	6	...	...	...	27·9	24·8	...	...	14	4	1	...	1	1	2	2	...	5	490·2	33·4	7·4	......	13·8	5·0	11·7	16·3	......	72·5
Purneah ...	Purneah ...	...	1	2	...	...	...	5·6	18·9	...	...	1	...	...	...	...	2	...	...	...	...	183·7	......	......	......	......	31·7	......	......	......	......
Puri ...	Puri ...	...	12	...	...	...	...	25·4	...	...	...	3	2	1	1	2	1	...	1	...	1	514·9	57·9	23·2	27·7	55·9	9·8	......	15·6	......	28·8
	Total ...	7	416	192	...	...	30·4	23·6	25·5	...	...	148	106	36	17	39	74	55	40	27	73	253·8	50·3	14·3	7·7	20·4	14·3	12·5	13·0	14·7	47·2

Office of Sanitary Commissioner for Bengal,
The 16th July 1888.

R. LIDDERDALE, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Sta[illegible] showing heigh[illegible] over me[illegible] [illegible]ea and low-wa[illegible] [illegible]he Rivers Ganges, Bhagiruthee, Je[illegible]hee, and Brahmapootra for the mon[illegible] of Jun[illegible] [illegible]888

Date.	From Allahabad … (Height over zero of gauge)	From Allahabad … (Height over mean sea-level)	From Allahabad … 134. (Height over zero of gauge)	From Mirzapore … 48. (Height over mean sea-level)	From Benares 90. (Height over zero of gauge)	(Height over mean sea-level)	From Benares 177. (Height over zero of gauge)	From Buxar … 87. (Height over mean sea-level)	From Benares 287. (Height over zero of gauge)	From Dinapore (Height over mean sea-level)	From Benares 381. (Height over zero of gauge)	From Monghyr 94. (Height over mean sea-level)	From Benares 471. (Height over zero of gauge)	From Sahebgunge … 90. (Height over mean sea-level)	From Benares 591. (Height over zero of gauge)	From Rampore Beaulieah … 120. (Height over mean sea-level)	River Bhagiruthee (Height over zero of gauge)	River Bhagiruthee (Height over mean sea-level)	River Ellingh (Height over zero of gauge)	River Ellingh (Height over mean sea-level)	River Brahmapootra (Height over zero of gauge)	River Brahmapootra (Height over mean sea-level)
1st	Below zero 1·83	204·39	Below zero 1·67	195·13	Below zero 0·75	[illegible]	8·45	42·68	Below zero 0·67	101·18	Below zero 1·17	66·83	0·54	42·54	8·75	17·69	0·54	[illegible]	[illegible]	6·30	16·50	
2nd	1·83	204·39	1·71	195·09	0·58	168·47	8·60	42·83	0·67	101·18	1·17	68·83	0·79	42·79	9·00	17·94	0·54	34·28	1·71	6·01	16·10	
3rd	1·83	204·39	1·58	195·22	0·50	168·55	8·80	43·03	0·54	101·31	1·00	67·00	0·79	42·79	9·17	18·11	0·54	34·28	1·75	6·05	15·20	
4th	1·50	204·72	1·54	195·26	0·50	168·55	9·00	43·23	0·42	101·43	0·83	67·83	0·83	42·83	9·50	18·44	0·83	34·57	1·87	6·17	14·70	
5th	1·50	204·72	1·50	195·30	0·50	168·55	9·40	43·63	0·33	101·52	0·67	67·33	0·92	42·92	9·67	18·61	1·25	34·99	1·96	6·26	14·40	
6th … …	1·50	204·72	1·42	195·38	0·50	·55	9·50		Above zero 0·17	102·02	0·50	67·50	1·04	43·04	9·67	18·61	1·17	34·91	2·25	6·55	14·00	
7th … …	1·25	204·97	1·42	195·38	0·42	·63	9·55		0·50	102·35	0·00	68·00	1·17	43·17	9·67	18·61	1·25	34·99	2·50	6·80	13·70	
8th … …	1·17	205·05	1·33	195·47	0·42	·63	9·60		0·67	102·52	Above zero 0·50	68·50	1·54	43·54	9·58	18·52	1·37	35·11	2·75	7·05	13·90	
9th … …	1·17	205·05	1·25	195.55	0·33	·72	9·40		0·92	102·77	0·75	68·75	1·96	43·96	9·58	18·52	1·42	35·16	2·83	7·13	13·90	
10th … …	1·00	205·22	1·17	195·63	0·33	·72	9·30		1·00	102·85	1·08	69·08	2·29	44·29	9·58	18·52	1·54	35·32	3·08	7·38	14·20	
11th … …	0·83	205·39	1·04	195·76	0·33	·72	9·30		0·75	102·60	1·50	69·50	2·62	44·62	9·75	18·69	1·79	35·53	3·50	7·80	14·35	
12th … …	0·75	205·47	0·92	195·88	0·25	·80	9·40		0·67	102·52	1·75	69·75	2·87	44·87	9·92	18·96	1·87	35·61	4·00	8·30	14·30	
13th … …	0·67	205·55	0·75	196·05	0·25	·80	9·50		0·75	102·60	1·33	69·25	3·00	45·00	10·06	19·02	2·92	36·66	4·42	8·72	14·40	
14th … …	0·58	205·64	0·67	196·13	0·17	·88	9·50		0·83	102·68	1·00	69·00	3·00	45·00	10·17	19·11	2·92	36·66	4·50	8·80	14·65	
15th … …	0·50	205·72	0·67	196·13	0·08	·97	9·40		0·87	102·72	0·92	68·92	2·71	44·71	10·25	19·19	2·79	36·53	4·25	8·55	15·60	
16th … …	0·33	205·89	0·50	196·30	0·08	·97	9·40		0·83	102·68	0·83	68·83	2·54	44·54	10·08	19·02	2·71	36·45	4·50	8·80	16·80	
17th … …	0·33	205·89	0·50	196·30	Above zero 0·08	·13	9·25		0·75	102·60	0·58	68·83	2·46	44·46	10·00	18·94	2·54	36·28	4·00	8·30	17·70	
18th … …	0·25	205·97	0·42	196·38	0·17	·23	9·00		0·67	102·52	0·92	68·92	2·35	44·35	10·00	18·94	2·44	36·20	3·29	7·59	17·80	
19th … …	0·17	206·05	0·37	196·43	0·17	·22	9·10		0·50	102·35	1·00	69·00	2·35	44·35	10·25	19·19	2·46	36·20	3·25	7·55	17·40	
20th … …	0·17	206·05	0·33	196·47	0·25	·30	9·10		0·33	102·18	0·92	68·92	2·35	44·35	10·50	19·44	2·42	36·16	3·25	7·55	17·20	
21st … …	0·08	206·14	0·25	196·55	0·31	·38	9·10		0·29	102·14	0·75	68·75	2·35	44·35	10·83	19·77	2·50	36·24	3·67	7·97	17·30	
22nd … …	0·08	206·14	0·17	196·63	0·33	·38	9·00		0·17	102·02	0·67	68·67	2·35	44·35	11·08	20·02	2·67	36·41	3·92	8·22	17·40	
23rd …	0·08	206·14	0·17	196·63	0·42	·47	9·00		0·04	101·89	0·58	68·58	2·27	44·27	11·25	20·19	2·79	36·53	4·33	8·63	17·70	
24th …	0·08	206·[illegible]	0·17	196·63	0·42	·47	9·00		Below zero 0·04	101·81	0·58	68·58	2·17	44·17	11·33	20·27	2·79	36·53	5·00	9·30	18·40	
25th …	0·17	206·05	0·20	196·60	0·42	·47	9·00		0·17	101·63	0·50	68·50	2·08	44·08	11·67	20·61	2·83	36·57	5·25	9·55	19·70	
26th …	0·50	205·72	0·46	196·34	0·42	·47	8·95		0·21	101·64	0·33	68·33	2·00	44·00	11·84	20·78	2·91	36·65	5·33	9·63	19·00	
27th …	0·67	205·55	0·58	196·22	0·33	·38	8·90		0·17	101·68	0·50	68·50	2·00	44·00	12·01	20·95	3·17	36·91	5·33	9·63	19·40	
28th …	0·83	205·39	0·75	196·05	0·33	·38	9·00		0·17	101·68	1·75	69·75	2·04	44·04	12·67	21·61	3·37	37·11	4·92	9·22	20·30	
29th …	0·42	205·80	0·33	196·47	0·25	·30	9·55		0·25	101·60	2·58	70·58	2·50	44·50	13·17	22·11	3·62	37·36	4·42	8·72	21·00	
30th …	1·00	205·22	0·46	196·34	0·25	·30	9·85		0·08	101·77	2·92	70·92	3·43	45·43	13·58	22·52	4·71	38·45	3·83	8·13	21·70	

A. D. McARTHUR, *Major* R.E.,
Under-Secretary to the Govt. of Ben[illegible]

The 17th July 1888.

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1888-89.

Areas leased for Irrigation up to the end of May 1888.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilised.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of Areas Leased. Five years, all crops.	Five years, kharif.	Annual Leases. Kharif.	Rabi.	Sugar-cane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1888-89. During month.	Up to end of month.	Rainfall, 1887-88. During month.	Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inch.	Inch.	Inch.	Inch.	
Orissa	Cuttack	Taldunda, 1st Reach.	1,342	......	......	164 (1st and 2nd Reach)	51	......	5,524	......	......	......	......	......	......	5,524	4·09	4·09	7·42	8·42	Canals closed for annual repairs from 1st May 1888.
		Taldunda, 2nd Reach.	566	......	......																
		Machgong ...	776	......	......	......	10	......	12,417	......	......	......	......	......	......	12,417	1·80 / 1·40	1·80 / 1·40	6·00 / 6·50	6·80 / 7·10	
		Kendrapara ...	1,067	......	......	67	7	......	18,453	......	......	......	......	......	......	18,453	2·55	2·55	5·41	6·59	
		Gobri ...	372·82	......	......	......	......	......	340	......	22	......	......	......	22	362	3·48	3·48	6·97	7·97	
		Pattamoondi ...	885	......	......	......	......	......	3,394	......	......	......	......	......	......	3,394	......	......	......	......	
		High Level, Range I.	603	......	......	......	......	......	1,644	......	1	......	......	......	1	1,645	2·20	2·20	5·80	8·10	
		High Level, Range II.	727·16	......	......	......	......	......	473	......	16	......	......	......	16	489	......	......	......	......	
	Balasore ...	High Level, Range III.	727·16	......	......	110	65	......	3,781	......	......	110	......	......	110	3,891	4·40	4·40	8·46	10·02	
		Total ...	......	......	......	341	133	......	46,026	......	39	110	......	......	149	46,175	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	......	87,909	86	450	118	......	......	654	88,563	......	......	......	......	
South-Western.	Midnapore...	Midnapore ...	1,411	33	......	......	......	......	28,927	......	......	......	......	......	......	28,927	3·65	6·41	6·71	9·12	19 days discharging.
	Howrah ...	Panchkoorah ...	522	4	......	......	......	......	4,307	......	......	......	......	......	......	4,307	3·38	5·33	7·99	9·47	3 " "
		Tidal Reaches, Ranges I and II.	......	......	......	......	......	......	502	......	......	......	......	......	......	502	......	......	......	......	
		Total ...	......	......	......	......	......	......	33,736	......	......	......	......	......	......	33,736	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	......	49,742	......	......	......	......	......	......	49,742	......	......	......	......	
Sone ...	Shahabad ...	Western Main ...	4,342	1,019	15	490	1,692	13,111	......	......	......	83	......	201	284	13,395	0·56 (Western Main and Buxar)	0·56	4·75	5·11	Canals closed for annual repairs from 17th April to 26th May 1888.
		Buxar	1,226	258	137	3,519	4,207	38,275	......	......	......	1,230	......	1,958	3,188	41,463					
		Arrah	2,087	469	403	19,840	22,233	95,272	......	......	......	1,308	......	6,601	7,909	103,181	0·40	0·40	10·64	10·72	
	Patna and Gya.	Eastern Main ...	1,466 (Eastern Main and Patna)	......	......	12	53	866	......	......	......	10	......	......	10	876	0·79 (Eastern Main and Patna)	0·79	9·80	10·02	
		Patna				324	730	31,773	......	......	......	139	......	......	139	31,913					
		Total ...	......	......	......	24,185	28,316	179,297	......	......	......	2,770	......	8,760	11,530	190,827	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	166,520	......	......	......	3,686	......	8,748	12,434	178,954	......	......	......	......	
		Grand Total ...	......	......	......	24,526	28,448	179,297	79,762	......	39	2,880	......	8,760	11,679	270,738	......	......	......	......	
	Grand Total of the corresponding period of last year ...		......	......	......	......	......	166,520	137,651	86	450	3,804	......	8,748	13,088	317,359	......	......	......	......	

The 16th July 1888.

A. D. McARTHUR, *Major*, R.E.,
Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 14th July 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 14th July 1888.			Week ending Saturday, the 16th July 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	581	1,41,230	2,430	398	55,400	840
Jute	10	5,100	72	7	1,575	26
Firewood	113	54,575	812	100	37,225	562
Other articles	957	2,27,855	3,306	620	1,61,115	2,606
Total ...	1,661	4,28,760	6,620	1,125	2,55,315	4,034

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of March 1888, as compared with the same month of the previous year.

Staples.	1888. Up.	1888. Down.	1887. Up.	1887. Down.	Total. 1888.	Total. 1887.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	11,900	3,520	5,056	2,257	15,420	7,313	8,107	......
Cotton, raw	7	355	......	128	362	128	234	......
Cotton, twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	1,430	185	1,371	233	1,615	1,604	11	......
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	2,956	4,979	1,729	2,245	7,935	3,974	3,961	......
5.—Others	1,185	7,347	683	5,557	8,532	6,240	2,292	......
Hides and Skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	13	548	15	743	561	758	......	197
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	......	667	......	1,536	667	1,536	......	869
b.—Unscrewed	......	5,018	35	7,693	5,018	7,728	......	2,710
2.—Gunny bags and cloth	199	968	167	1,235	1,167	1,402	......	235
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	751	139	1,490	126	890	1,616	......	726
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	394	12	311	13	406	324	82	......
3.—Others	230	14	173	12	244	185	59	......
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	247	4,435	576	2,850	4,682	3,426	1,256	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	139	667	22	445	806	467	339	......
3.—Others	464	627	504	464	1,091	968	123	......
Railway plant and rolling-stock	2,343	816	1,466	1,418	3,159	2,884	275	......
Salt	1,572	30	3,755	16	1,602	3,771	......	2,169
Sugar—								
1.—Drained	830	1,698	699	1,610	2,528	2,309	219	......
2.—Undrained								
Tea—								
1.—Foreign...	2	21	1	22	23	23	......	......
2.—Indian								
Wood—								
1.—Timber	145	137	453	46	282	499	......	217
2.—Firewood	1,739	155	1,565	1	1,894	1,566	328	......
Tobacco	36	1,680	25	748	1,716	773	943	......
All other articles of merchandise—								
1.—Unmanufactured	3,687	1,334	3,214	1,659	5,021	4,873	148	......
2.—Manufactured								
Hay, straw, and wooloo (C. & S.-E. Sections)...	716	......	606	......	716	606	110	......
Total ...	30,995	35,342	23,916	31,057	66,337	54,973	18,467	7,123

Excludes local traffic of the Dacca, Northern Bengal, and Kaunia and Dharla Railways during 1887.

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of March 1888.

INCREASES.

	Tons.
Coal	8,107
Due to increased demand on account of Railway and Steamer Services and for the public generally.	
Cotton, raw, and Piece-goods	245
Fair demand and good market.	
Grains and Pulses	6,253
Due to a good crop and favourable market.	
Seeds	1,256
A steady market and fair demand.	
Betelnuts	339
For export in a great measure to British Burmah.	
Railway Plant	275
For repairs and renewals.	
Sugar	219
Principally from Poradah, Jagati, Kooshtea, and Ranaghat.	
Firewood	328
Increased demand. Principally from Khoksa, Bansra, and Canning.	
Tobacco	943
Principally from Sara, Doroani, and Domer, said to be accumulations of previous year held back for a good market.	

DECREASES.

Hides and Skins	197
Reduced exportations principally from stations on the Northern sections.	
Jute, screwed and unscrewed	3,579
Reduced despatches due to there being little or no demand.	
Gunnybags and cloth	235
Principally from Damukdia, Domer, and Doroani, due to there being no demand at Calcutta.	
Metals	726
Dullness of market.	
Salt	2,169
Principally from Chitpore; no demand.	
Timber	217
No demand.	

CALCUTTA, *the* 11*th July* 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of April 1888 as compared with the same month of the previous year.

STAPLES.	1888.		1887.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	11,387	2,907	4,829	798	14,294	5,627	8,667	......
Cotton, raw	4	449	1	145	453	146	307	......
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	1,524	106	1,733	137	1,630	1,870	......	240
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	3,442	3,418	1,743	1,786	6,860	3,529	3,331	......
5.—Others	2,089	8,759	1,251	15,232	10,848	16,483	......	5,685
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	79	275	5	448	354	453	......	99
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	......	291	......	264	291	264	27	......
b.—Unscrewed	49	2,924	29	2,098	2,973	2,127	846	......
2.—Gunny bags and cloth	264	1,094	273	851	1,358	1,124	234	......
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	852	107	767	270	959	1,037	......	78
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	420	37	304	22	457	326	131	......
3.—Others	210	73	199	26	283	225	58	......
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	446	3,173	397	1,837	3,619	2,234	1,385	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	80	334	74	369	414	443	......	29
3.—Others	504	764	409	495	1,268	904	364	......
Railway plant and rolling-stock	1,899	1,052	1,735	766	2,951	2,501	450	......
Salt	2,258	31	3,566	52	2,289	3,618	......	1,329
Sugar—								
1.—Drained								
2.—Undrained	623	972	336	1,431	1,595	1,767	......	172
Tea—								
1.—Foreign								
2.—Indian	1	236	......	234	237	234	3	......
Wood—								
1.—Timber	254	97	348	259	351	607	......	256
2.—Firewood	1,523	81	1,687	50	1,604	1,737	......	133
Tobacco	859	1,102	53	1,279	1,961	1,332	629	......
All other articles of merchandise—								
1.—Unmanufactured								
2.—Manufactured	3,285	1,488	2,690	2,117	4,773	4,807	......	34
Hay, straw, and wooloo (C. & S.-E. Sections)...	550	10	569	......	560	569	......	9
Total ...	32,602	29,780	22,998	30,966	62,382	53,964	16,432	8,014

Comparative Statement of the principal commodities carried over the Eastern Bengal State Railway during the month of April 1888.

INCREASES.

	Tons.
Coal	8,667
For railway and flotilla purposes.	
Cotton, raw	307
An attempt has been made to extend the cotton cultivation in the Dacca district.	
Rice	3,331
Good crops, fair demand, and a steady market. Principally from Hilli and Magrahat.	
Jute	873
Principally from Dacca and Northern Sections. In the beginning of this month there was a demand for this staple for continental account.	
Gunny bags and cloth	234
Corresponding with the increases in grains and seeds.	
Kerosine oil	131
For up-country consumption.	
Oil-seeds	1,385
Steady market at Calcutta.	
Other provisions	364
Increased demand.	
Railway plant	450
Partly for repairs and renewals, and partly for construction purposes on the Assam-Behar Section.	
Tobacco	629
Principally from Northern and Assam-Behar Sections.	

DECREASES.

	Tons.
Cotton twist and piece-goods	240
No demand.	
Grain and pulses other than wheat, rice, bajra and gram	5,685
Dullness of market.	
Salt	1,329
Principally from Chitpore, due to there being no demand up-country.	
Sugar	172
Principally from Kissengunge, Poradaha, and Chooadanga.	
Timber	256
Due to reduced requirements for building purposes.	
Firewood	133
Sufficiency of stock in Calcutta.	

The increases and decreases under other heads are small and attributable to ordinary fluctuations of traffic.

Calcutta the 12th July 1888. F. P. QUINLAN, *Examiner of Accounts.*

Bengal Central Railway.

Abstract of principal commodities carried over the Bengal Central Railway during the month of March 1888, *as compared with the same month of the previous year.*

Staples.	1888. Up.	1888. Down.	1887. Up.	1887. Down.	Total. 1888.	Total. 1887.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal ...	2,382	......	1,425	......	2,382	1,425	957	......
Cotton, raw ...	1	......	......	......	1	......	1	......
Cotton, twist and yarn—								
1.—European ...								
2.—Indian ...								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles ...	136	1	139	2	137	141	......	4
b.—In boxes ...								
2.—Indian—								
a.—In bales and bundles ...								
b.—In boxes ...								
Grains—								
2.—Rice ...	3	393	2	257	396	259	137	......
5.—Others ...	14	1,401	15	1,094	1,415	1,109	306	......
Hides and Skins—								
1.—Hides of cattle—								
a.—Dressed ...								
b.—Undressed ...								
2.—Skins of sheep, &c.—	......	18	......	41	18	41	......	23
a.—Dressed ...								
b.—Undressed ...								
Jute—								
1.—Raw—								
a.—Screwed ...	......	......	......	8	......	8	......	8
b.—Unscrewed ...	......	64	......	269	64	269	......	205
2.—Gunny-bags and cloth ...	24	......	21	6	24	29	......	
Metals—								
1.—Copper, unwrought ...								
2. Brass, unwrought ...								
3.—Brass and copper, wrought ...	81	25	49	23	106	72	34	......
4.—Iron ...								
5.—Tin ...								
6.—Others ...								
Oils—								
2.—Kerosine ...	61	......	65	......	61	65	......	4
3.—Others ...	129	......	72	......	129	72	57	......
Oilseeds—								
1.—Linseed ...								
2.—Rape and mustard ...								
3.—Til or gingelly ...								
4.—Niger ...	176	1,165	455	633	1,341	1,093	248	......
5.—Castor ...								
6.—Poppy ...								
7.—Others ...								
Provisions—								
2.—Betel-nuts ...	......	667	1	365	667	366	301	......
3.—Others ...	112	90	187	157	202	342	......	140
Railway plant and rolling-stock ...	67	33	712	209	100	921	......	821
Salt ...	138	......	306	......	138	306	......	168
Sugar—								
1.—Drained ...	5	1,325	47	1,055	1,330	1,102	228	......
2.—Undrained ...								
Wood—								
1.—Timber ...	19	37	18	6	56	24	32	......
2.—Firewood ...								
Tobacco ...	17	27	22	17	44	39	5	......
All other articles of merchandise—								
1.—Unmanufactured ...	268	184	355	212	452	567	......	115
2.—Manufactured ...								
Total ...	3,633	5,430	3,889	4,361	9,063	8,250	2,306	1,493

Comparative Statement of the principal commodities carried over the Bengal Central Railway during the month of March 1888.

INCREASES.

	Tons.
Coal ...	957
For Railway and Flotilla purposes.	
Grains and Pulses ...	443
Good crop and favourable market.	
Oilseeds ...	248
Oils ...	57
A good market, principally from Jadabpur, Nabharan, Jhikergacha and Khulna.	
Betel-nuts ...	301
Increased demand for exportation.	
Sugar ...	228
Principally from Jhikergacha.	

The increases under other heads are trifling, and call for no special remark.

DECREASES.

	Tons.
Jute ...	213
Reduced demand.	
Other provisions ...	140
Dullness of market.	
Railway Plant ...	821
Requirements being less for repairs and renewals.	
Salt ...	168
Principally from Rupdea.	
All other articles of merchandise ...	115
No demand.	

CALCUTTA, *the* 11*th July* 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Bengal Central Railway.

Abstract of principal commodities carried over the Bengal Central Railway during the month of April 1888, as compared with the same month of the previous year.

Staples.	1888.		1887.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,729	21	883	......	1,750	883	867	.. ...
Cotton, raw	1	7	......	2	8	2	6	......
Cotton, twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European								
(a)—In bales and bundles	143	1	128	2	144	130	14	......
(b)—In boxes								
2.—Indian—								
(a)—In bales and bundles								
(b)—In boxes								
Grains—								
2.—Rice	2	202	5	50	204	55	149	......
5.—Others	13	1,435	9	2,277	1,448	2,286	......	838
Hides and skins—								
1.—Hides of cattle—								
(b)—Undressed	... ..	13	......	28	13	28	......	15
Jute—								
1.—Raw—								
(b)—Unscrewed	......	129	......	89	129	89	40	......
2.—Gunny bags and cloth	15	1	9	7	16	16	......	... .
Metals—								
4.—Iron	42	34	53	14	76	67	9	......
Oils—								
2.—Kerosine	65	......	87	......	65	87	....	22
3.—Others	73	......	81	......	73	81	......	8
Oil-seeds—								
3.—Til or gingelly	193	636	297	267	829	564	265	......
Provisions—								
2.—Betel-nuts	1	309	1	410	310	411	.. ...	101
3.—Others	82	252	139	103	334	242	92	...
Railway plant and rolling-stock	78	35	500	124	113	624	.. ..	511
Salt	106	.. ...	246	......	106	246	..	50
Sugar—								
1. Drained	32	693	64	1,001	725	1,065	......	340
Wood—								
1.—Timber...	23	2	22	9	25	31	. . . .	6
Tobacco	26	30	36	8	56	44	12	..
All other articles of merchandise—								
1. Unmanufactured	264	285	479	216	549	695	....	146
Total ..	2,978	4,085	3,039	4,607	7,063	7,646	1,454	2,037

Comparative statement of the principal commodities carried over the Bengal Central Railway during the month of April 1888.

INCREASES.

	Tons.
Coal	867
From the East Indian Railway for railway and flotilla purposes, and also for brick-burning at Habra.	
Rice	149
A good market. The despatches are principally from Khoolna, Nowapara, and Singhia.	
Jute, unscrewed	40
Principally from Khulna, due to jute brought from Serajganj in boats being transferred to railway on account of leaky condition of boats.	
Oil-seeds	265
Steady market in Calcutta.	
Other provisions	92
Increased demand.	

The increases under other heads are small and do not call for any special remarks.

DECREASES.

Edible grains and pulses other than rice, wheat, bajra and gram	838
Principally from Singhia and Khulna, due in the case of the former station to larger despatches being made by boats, and in the latter to the Alaipur canal being blocked. Dullness of market was the chief reason.	
Betel-nuts	101
Principally from Khulna, due to closure of Alaipur canal; hence no despatches were received during the month from Bengal Central flotilla stations.	
Railway plant	511
Reduced requirement for construction and maintenance purposes.	
Sugar	340
Dulness of market. Reduced despatches from Gobardanga and Jhikergacha.	
All other articles of merchandise	146
No demand.	

Calcutta, the 12th July 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Amended approximate Return of Traffic for week ended 30th June 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	244,737	2,46,653 10 0	25,28,556 0	5,56,690 7 0	18,896 11 0	8,22,240 12 0	63,972½	89,082½	153,054½
Or per mile of railway	.....	162 15 1	......	367 12 1	12 7 9	543 2 11	.....	......	.....
For previous 25 weeks of half-year	6,707,118	73,64,740 1 0	7,13,68,262 30	1,64,23,618 14 1	2,96,982 6 11	2,40,84,341 6 0	1,640,730¼	2,639,701½	4.280,432
Total for 26 weeks ..	6,951,855	76,11,393 11 0	7,38,96,818 30	1,69,70,309 5 1	3,15,879 1 11	2,49,06,582 2 0	1,704,702¾	2,728,784	4,433,486¾
Comparison.									
Total for corresponding last 5 days of previous year... ...	196,616	1,70,521 3 6	16,74,954 20	3,71,711 4 9	—17,808 14 3	5,24,429 10 0	45,997½	67,475	113,472½
Per mile of railway corresponding period of previous year ...	... ..	112 4 1	......	244 11 4	—11 11 6	345 3 11	......	......	......
Total to corresponding date of previous year	6,731,806½	72,84,167 12 11	7,04,56,418 30	1,74,09,352 14 7	4,24,926 14 6	2,51,14,447 10 0	1,726,629	2,937,105½	4,663,734½

FINANCIAL YEAR.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for last 5 days ending 30th June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	531,690	350	1,513¾	8,22,241	543	1,519	1,24,07,549	628	1,513¾	1,19,32,926	606	......	4,74,623

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 7th July 1888, on 1,513¾ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P	Rs. A. P.	Rs. A. P.			
Total traffic for the week	229,238	2,31,322 5 0	21,08,955 20	4,18,270 0 0	17,815 8 0	6,67,407 13 0	64,007¼	77,071¾	141,079
Or per mile of railway ...	......	152 13 0	......	276 5	11 12 4	440 14 4	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 1 week ...	229,238	2,31,322 5 0	21,08,955 20	4,18,270 0 0	17,815 8 0	6,67,407 13 0	64,007¼	77,071¾	141,079
Comparison.									
Total for corresponding first 9 days of previous year	356,781½	3,15,460 13 9	30,26,816 30	6,78,587 14 3	21,855 9 8	10,15,404 5 8	83,083	119,793	202,876
Per mile of railway corresponding period of previous year... ...	......	207 10 10	......	446 11 9	14 0 11	668 7 0	......	......	....
Total to corresponding date of previous year	356,781½	3,15,460 13 9	30,26,816 30	6,78,587 14 3	21,855 9 8	10,15,404 5 8	83,083	119,793	202,876

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for first 9 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 9th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888.	Total decrease in 1888
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	10,15,404	668	1,513¾	6,67,408	441	1,519	1,34,22,953	631	1,513¾	1,26,00,334	594	......	8,22,619

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 7th July 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	8,766	3,961 11 0	39,494 20	2,391 14 0	23 7 0	6,377 0 0	1,708	770	2,478
Or per mile of railway	153	69 4 2	690 20	41 13 0	0 6 7	111 7 9	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 1 week ...	8,766	3,961 11 0	39,494 20	2,391 14 0	23 7 0	6,377 0 0	1,708	770	2,478
Comparison.									
Total for corresponding first 9 days of previous year	14,568	6,903 5 5	59,352 20	4,087 8 0	27 5 3	11,018 2 8	2,013	1,065	3,078
Per mile of railway corresponding period of previous year ...	255	120 11 0	1,037 20	71 7 4	[illegible] 7 8	192 10 0	......	......	......
Total to corresponding date of previous year	14,568	6,903 5 5	59,352 20	4,087 8 0	27 5 3	11,018 2 8	2,013	1,065	3,078

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for first 9 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 9th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	11,018	193	57½	6,377	111	57½	1,30,179	163	57½	1,22,271	153	......	7,908

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 7th July 1888, on 12 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,178	524 9 0	6,695 30	174 11 0	8 11 0	707 15 0	333½	394	727½
Or per mile of railway . .	......	43 11 5	......	14 8 11	0 11 7	85 15 11	......	....	....
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 1 week ...	3,178	524 9 0	6,695 30	174 11 0	8 11 0	707 15 0	333½	394	727½
Comparison									
Total for corresponding first 9 days of previous year	4,141	681 8 3	11,535 0	256 4 0	5 7 3	943 3 6	435	199	634
Per mile of railway corresponding period of previous year ..	......	56 12 9	......	21 5 8	0 7 3	78 9 8	......	......	....
Total to corresponding date of previous year	4,141	681 8 3	11,535 0	256 4 0	5 7 3	943 3 6	435	199	634

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for first 9 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 9th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	943	79	12	708	59	12	15,544	93	12	16,547	99	1,003	......

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 7th July 1888, on 74¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,788	3,741 1 0	74,557 30	3,417 8 0	93 10 0	7,252 3 0	653	1,059½	1,712½
Or per mile of railway	......	50 0 3	......	45 11 0	1 4 0	96 15 3	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 1 week ...	4,788	3,741 1 0	74,557 30	3,417 8 0	93 10 0	7,252 3 0	653	1,059½	1,712½
COMPARISON.									
Total for corresponding first 9 days of previous year ...	6,892½	5,359 6 8	1,11,256 0	3,553 1 0	62 6 3	8,973 13 11	869	1,831	2,700
Per mile of railway corresponding period of previous year ...	......	7[illegible] 10 5	......	47 7 10	0 13 4	119 15 7	......	......	......
Total to corresponding date of previous year	6,892½	5,359 6 8	1,11,256 0	3,552 1 0	62 6 3	8,973 13 11	869	1,831	2,700

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for first 9 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 9th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74¼	8,074	120	74¼	7,252	97	74¼	1,22,976	117	74¼	1,12,846	108	......	10,130

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 7th July 1888, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,969	4,761 7 0	4,107 10	150 14 0	5 10 0	4,917 15 0	905	63	968
Or per mile of railway ...	......	213 15 11	......	6 12 6	0 4 1	221 0 6	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 1 week ...	18,969	4,761 7 0	4,107 10	150 14 0	5 10 0	4,917 15 0	905	63	968
COMPARISON.									
Total for corresponding first 9 days of previous year	32,469½	7,607 10 6	4,378 0	168 11 0	1 3 0	7,777 8 6	1,283	60	1,342
Per mile of railway corresponding period of previous year ...	......	341 14 8	......	7 9 4	0 0 10	349 8 10	......	......	......
Total to corresponding date of previous year	32,469½	7,607 10 6	4,378 0	168 11 0	1 3 0	7,777 8 6	1,282	60	1,342

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for first 9 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 9th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	7,778	350	22¼	4,918	221	22¼	84,848	273	22¼	89,225	286	4,377	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 30th June 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	a 181,149	64,5[illegible]3 0 0	6,45,243 0	70,102 0 0	24,853 0 0	1,68,518 0 0	22,500	19,611	42,111
Or per mile of railway	269	96 0 0	960 0	118 0 0	†22 0 0	236 0 0	......	......	......
For previous 25 weeks of half-year	3,321,300	17,23,304 0 0	1,33,40,936 0	19,13,010 0 0	3,62,143 0 0	*39,98,457 0 0	551,309	576,409	1,127,718
Total for 26 weeks ...	3,502,449	17,87,867 0 0	1,39,86,179 0	19,82,112 0 0	3,86,996 0 0	41,66,975 0 0	573,809	596,020	1,169,829
Comparison.									
Total for corresponding 5 days of previous year ..	117,159	45,674 0 0	5,33,972 0	42,967 0 0	30,892 0 0	1,19,533 0 0	14,302	9,966	24,858
Per mile of railway corresponding period of previous year ..	182	71 0 0	828 0	67 0 0	†22 0 0	160 0 0	......	......	......
Total to corresponding date of previous year	3,540,314	16,19,794 0 0	1,46,42,536 0	19,28,995 0 0	3,78,908 0 0	39,27,697 0 0	494,904	503,716	998,620

* Audited up to week ending 19th May 1888.
† Excluding steamer earnings.
a Includes monthly tickets.

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Eastern Bengal State Railway.

Receipts for last 5 days of June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked per week.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,19,533	185	672	1,68,518	251	645	18,47,024	220	675	*19,03,068	217	56,044	......

* Audited up to 19th May 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 30th June 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	†34,745	10,405 0 0	29,479 0	2,136 0 0	441 0 0	12,982 0 0	3,868	1,876	5,744
Or per mile of railway .. .	278	83 0 0	236 0	17 0 0	4 0 0	104 0 0	......	......	......
For previous 25 weeks of half-year	671,770	2,31,432 0 0	12,14,027 0	78,783 0 0	4,391 0 0	*3,14,606 0 0	89,619	44,737	134,356
Total for 26 weeks ...	706,515	2,41,837 0 0	12,43,506 0	80,919 0 0	4,832 0 0	3,27,588 0 0	93,487	46,613	140,100
Comparison.									
Total for corresponding 5 days of previous year	20,336	10,130 0 0	32,123 0	1,556 0 0	566 0 0	12,252 0 0	2,206	1,494	3,700
Per mile of railway corresponding period of previous year ...	163	81 0 0	185 0	12 0 0	5 0 0	98 0 0	......	......	......
Total to corresponding date of previous year	687,153	2,47,061 0 0	10,48,977 0	69,290 0 0	2,536 0 0	3,12,896 0 0	90,934	44,280	135,214

* Audited up to 19th May 1888.
† Includes monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for last 5 days of June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	12,252	98	125	12,982	104	125	1,75,926	108	125	*1,60,860	99	......	15,066

* Audited up to 19th May 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 30th June 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	14,263	4,747 0 0	25,817 0	720 0 0	100 0 0	5,567 0 0	2,141	963	3,104
Or per mile of railway	166	55 0 0	300 0	9 0 0	1 0 0	65 0 0	.	......	...
For previous 25 weeks of half-year	339,154	1,06,266 0 0	3,52,257 0	20,004 0 0	4,087 0 0	*1,30,357 0 0	53,511	24,159	77,670
Total for 26 weeks	353,417	1,11,013 0 0	3,78,084 0	20 724 0 0	4,187 0 0	1,35,924 0 0	55,652	25,122	80,774
Comparison.									
Total for corresponding 5 days of previous year	9 604	3,555 0 0	22,819 0	527 0 0	—470 0 0	3,612 0 0	1,931	201	2,132
Per mile of railway corresponding period of previous year	112	41 0 0	265 0	6 0 0	—5 0 0	42 0 0	.	..	
Total to corresponding date of previous year	334 680	1,10,139 0 0	5,21,263 0	34,547 0 0	4,409 0 0	1,49,295 0 0	62,942	22,377	85,319

* Audited up to week ending 19th May 1888.

FINANCIAL YEAR

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for last 5 days of June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to 30th June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs		Rs.	Rs		Rs.	Rs.		Rs.	Rs	Rs.	Rs.
86	3,612	42	86	5,567	65	86	65,759	59	86	64,266	57		1,493

ASSAM-BEHAR STATE RAILWAY

(Purneah Section.)

Approximate Return of Traffic for week ended 30th June 1888, on 39 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A P	Mds. s	Rs A. P.	Rs. A. P	Rs. A. P.			
Total traffic for the week	2 927	1,011 0 0	49,412 0	2,377 0 0	80 0 0	3,468 0 0	546	546	1,092
Or per mile of railway	75	26 0 0	1,[illegible]67 0	61 0 0	2 0 0	89 0 0			. ..
For previous 25 weeks of half-year ...	73,225	26 778 0 0	6,65,589 0	5[illegible],908 0 0	1,204 0 0	*81,890 0 0	13,650	13,650	27,300
Total for 26 weeks	76,152	27,789 0 0	7,15,001 0	56,285 0 0	1,284 0 0	85,358 0 0	14,196	14,196	28 392
Comparison.									
Total for corresponding 5 days of previous year	2,208	786 0 0	36,175 0	897 0 0	—226 0 0	1,457 0 0	385	385	77
Per mile of railway corresponding week of previous year	57	20 0 0	928 0	23 0 0	—6 0 0	37 0 0			..
Total to corresponding date of previous year	34,764	11,406 0 0	3,43,870 0	28,551 0 0	120 0 0	40,077 0 0	7 007	7 007	14,014

* Audited up to week ending 19th May 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for last 5 days of June 1887.			Receipts for week ending 30th June 1888.			Total receipts from 1st April 1887 to last 5 days of June 1887.			Total receipts from 1st April 1888 to 30th June 1888.			Total increase in 1888-89	Total decrease in 1888-89
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	1,457	37	39	3,468	89	39	40,077	79	39	*44,968	89	4,891	...

* Audited up to week ending 19th May 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 7th July 1888, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,203	1,173 0 0	3,576 0	290 0 0	3 0 1	1,475 0 0	509	254	763
Or per mile of railway	116	43 0 0	131 0	11 0 0	......	54 0 0	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 1 week ...	3,203	1,173 0 0	3,576 0	290 0 0	3 0 1	1,475 0 0	509	254	763
Comparison.									
Total for corresponding period of previous year	4,157½	1,550 11 3	12,430 10	867 2 0	37 0 0	2,454 13 3	691	508	1,199
Per mile of railway corresponding week of previous year ...	153	56 14 0	456 0	31 13 0	1 6 0	90 1 0	......	......	......
Total to corresponding date of previous year	4,157½	1,550 11 3	12,430 10	867 2 0	37 0 0	2,454 13 3	691	508	1,199

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for first 8 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 8th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	2,455	90	27¼	1,475	54	27¼	25,751	68	27¼	26,501	69	750	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 7th July 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	33,541	11,617 0 0	165,153 0	13,195 0 0	2,787 0 0	27,599 0 0	5,659	5,932	11,591
Or per mile of railway ...	130	44 14 0	638 0	50 15 0	2 10 0	98 7 0*	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 1 week ...	33,541	11,617 0 0	1,65,153 0	13,195 0 0	2,787 0 0	27,599 0 0	5,659	5,932	11,591
Comparison.									
Total for corresponding period of previous year on 249 miles open	47,468	15,766 8 6	2,18,557 20	17,794 0 0	4,029 10 0	37,589 13 6	8,443	7,896	16,339
Per mile of railway corresponding week of previous year ...	191	63 5 0	878 0	71 7 0	1 3 0	135 15 0*	......	......	......
Total to corresponding date of previous year	47,478	15,766 8 6	2,18,557 20	17,794 0 0	4,029 10 0	37,589 13 6	8,443	7,896	16,339

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for the first 8 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 8th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	37,590	151	259	27,599	107	249	4,92,923	141	259	5,06,797	140	13,874	....

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CONTENTS.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE BHAGULPORE DIVISION FOR THE YEAR 1887-88.

GENERAL DEPARTMENT,—MISCELLANEOUS.

Calcutta, the 24th July 1888.

READ—

The Annual General Report of the Bhagulpore Division for the year 1887-88.

MR. ALEXANDER was in charge of the Division up to the 15th August, and Mr. Beames for the remainder of the year. The Annual Report is submitted by Mr. Beames. It is meagre and less interesting than Mr. Beames might have made it.

2. *Annual tours.*—All the District and Sub-divisional Officers were a sufficient number of days on tour.

3. *Crops, Public Health, and Material condition of the people.*—In Maldah the crops were good: elsewhere they were somewhat below the average. Public health also was bad, and cholera and fever were prevalent. There was a decrease in small-pox owing to the spread of vaccination, which is steadily gaining ground in the confidence of the people. The material condition of the people is said to have improved owing principally to a succession of good crops in previous years. The Collector of Bhagulpore observes:—

"As usual, I have to notice the weavers as worst off among artisans, and year by year they take more and more to agriculture. The trading classes

have done a good business, and every year the Marwari seems to me to be getting a greater hold on the district. They are the most prosperous class in all the large towns. The smaller landlords of the district are, I fear, as deeply indebted, in proportion to their numbers, as are their ryots, and a few too of the large zemindars are much involved."

4. *Emigration.*—While there is a considerable decrease in registered emigration, what is called free emigration is increasing. The Deputy Commissioner of the Sonthal Pergunnahs again strongly complains of the great mischief done under the free recruiting system. Four cases of abduction have come before him for trial under his special powers. What he describes as a crimping system appears to be in full force. Men and women are, he declares, sold for Assam and Cachar without being in any proper sense of the term free agents.

These very serious charges have already been under the Lieutenant-Governor's consideration. Instead of a real system of free labour, there is too much reason to believe that the Act (I of 1882) has had the effect of bringing about a state of things far worse than that which it was intended to supersede. Under the new system the operations of contractors and recruiters continue, and the recruitment is no more spontaneous than it was under the old system: the difference is that these operations are now entirely uncontrolled by the careful check of licensing and registering which safeguarded them under the former system, and, in the Lieutenant-Governor's opinion, some change in the law is imperatively demanded, which shall result in some control being put on the recruitment of labourers before they are deported from the Bengal Province.

The Government of India have been addressed on the subject. In the meantime it would be a good thing if the Deputy Commissioner were to devote his serious attention to detecting and punishing the offences he describes.

5. *Manufactures and trade.*—But little new is reported under the head of manufactures and trade. The traffic with Nepal was in a disorganised state owing to the internal disturbances in that country.

6. *Land Revenue, Cess Collections, Excise, Stamps, and Income-tax.*—The Land revenue collections were on the whole satisfactory, amounting to Rs. 33,61,830, or a percentage of 97·12 on the total demand. The cess collections amounted to Rs. 6,30,079, or a percentage of only 85·8 per cent. The total collections of Excise revenue amounted to Rs. 12,11,957, thus showing an increase of more than a lakh of rupees over the previous year's realizations. The Stamp revenue is Rs. 11,00,990, showing an increase of more than half a lakh of rupees. The Income-tax brought in Rs. 2,23,388. Upon the whole the returns of revenue are satisfactory.

7. *Education and employment of Mahomedans.*—The control of middle and primary schools was transferred to District Boards during the year. The number of pupils increased from 80,511 to 89,720. Mahomedan pupils advanced from 18,429 to 19,660. In the two districts of Maldah and Purneah, in which the Mahomedans form a large proportion of the population, the number of Mahomedans employed in Government service is very considerable in the latter district, but less than might have been expected in Maldah. Out of a total number of 1,634 Mahomedans reported to be in superior service in the whole division, no less than 1,420 are in Purneah. It is possible that there is some error in classification: the figures, as given, deserve the attention of the Commissioner.

8. *Local bodies and Municipalities.*—The information given on the subject of Local and District Boards is insufficient. The attendance is said to have been generally satisfactory, although in the Bhagulpore district interest seems to have waned. No account is given of the work done by the Boards. The Municipalities in the Division appear to have done some good work, but there is room for much improvement, especially in regard to sanitation.

9. *Conduct of Zemindars.*—The conduct of zemindars in the Division generally is favourably reported on.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 21st July 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops
BENGAL.	*Western Districts.*		
	Burdwan Divn.		
1	Burdwan July 21, '88	1·28	Weather—seasonable. State and prospects of crops good in the west, fair in the centre, and poor in the east and north east, where the continued want of rain is causing anxiety, and artificial irrigation is being resorted to. Prices slowly rising.
	Culna ...	0·88	
	Cutwa ...	0 18	
2	Bankoora „ 21, '88	3·92	Weather—seasonable. Rainfall sufficient in the Sudder sub-division. The progress of rice cultivation is reported to be retarded by insufficient rain in the Bishenpore sub-division. Sugarcane and indigo are thriving. Common rice is selling at the Bankoora mart at 19 seers per rupee.
3	Birbhum „ 21, '88	1·90	Weather—cloudy and showery since 19th instant. Reports from the district express great anxiety on account of want of rain, but since they were despatched there has been general heavy rain. Transplantation has begun.
	Rampur Haut ..	0·57	
4	Midnapur „ 21, '88	4·13	Weather—close, with heavy storms the last three evenings at head-quarters. Ordinary cultivation going on. In Contai sowing has commenced, and there have been slight showers almost everywhere. Tamluk has had a good fall of rain (2·30) during the past week.
5	Hugli „ 21, '88	1·53	Weather seasonable, but drier than usual. More rain is wanted for transplanting rice on high lands; otherwise prospects are now favourable, as the rainfall, though light, has been so far well distributed.
	Serampur	1·82	
	Jehanabad ..	1·1	
	Howrah July 23, '88	2 99	Weather—seasonable. State and prospects of crops fair. More rain wanted.
	Central Districts.		
	Presidency Divn.		
6	24-Perghs. July 24, '88	2·15	Weather—seasonable, but the rainfall is still insufficient. More rain wanted. Transplantation going on.
7	Nuddea „ 21, '88	0·60	Weather—hot. Rain deficient. More rain is generally wanted for the *aus* crop and for transplantation of the *amun* crop. Jute and sugarcane fair. Indigo not very good.
	Kushtea ...	0 41	
	Meherpur ...	1·09	
	Chooadanga ...	0 17	
	Ranaghat .	1·22	
8	Khoolna „ 21, '88	0 96	Slight showers during the early part and heavy showers during the latter part of the week. Prospects of *aus* good. Cultivation for Sunderbund *amun* going on. *Amun* in the north thriving. More rain wanted in the Sudder sub-division for *aus*. Sugarcane and jute promise well.
9	Jessore „ 21, '88	1·13	Weather—cloudy with occasional showers. *Aus* is being harvested in some places. Transplantation of *amun* progressing. More rain wanted.
	Jhenidah .	0 77	
	Magoora	0·45	
	Narail ...	0 39	
	Bongong . .	2·52	
10	Moorshedabad „ 21, '88	0·70	Weather—hot and cloudy at intervals, but very little rain. Prospects of both *bhadoi* and *amun* unfavourable. Rain much wanted.
	Lalbagh ...	1·22	
	Kandi	0 63	
	Jungipur ...	0 77	
11	Dinagepur „ 21, '88	8·74	Weather—windy with heavy showers. More rain is wanted for the high land *dhan*.
	Thakurgaon ...	4·74	
	Rajshahye Divn.		
12	Rajshahye „ 21, '88	0 63	Weather—sultry in daytime; cool at night. More rain much wanted in the Sudder and Nowgong sub-divisions. Transplantation at a stand-still. Condition of *amun* precarious in some parts of the district.
	Nattore ...	2·28	
	Nowgong ..	0·56	
13	Rungpur „ 21, '88	1 90	Jute and *aus* crops are good and both are being cut. Rain is much wanted for the *amun* crop in the Gaibanda sub-division.
	Nilphamari ...	4 93	
	Kurigram ...	1·77	
	Gaibanda .	0 25	
14	Bogra „ 21, '88	0 22	Weather—cloudy, but very little rain. Transplanting of *amun* is being delayed for want of rain. Prospects fair. Price of rice rising.
	Sherpur ..	1·28	
15	Pubna „ 21, '88	0·47	Weather—showery and cloudy. Easterly wind in the latter part of the week. Rivers are rising fast. Prospects of crops fairly good. *Aus*, *bhura*, and *til* are being reaped in many places.
	Serajgunge ...	2·80	
16	Darjeeling „ 21, '88	8·09	Weather—seasonable. Crops promise well both in hills and plains.
17	Julpigoree „ 21, '88	11·58	Weather—cloudy with occasional showers of rain. *Haimanti* paddy is being transplanted. *Bhadoi* is being reaped. Jute in some parts tolerably fair.
	Eastern Districts.		
	Dacca Division.		
18	Dacca „ 21, '88	0 97	Weather—cloudy and hot. *Aus* paddy and jute being harvested. *Amun* paddy thriving. Prospects of crops good.
	Manickgunge ...	1·1	
	Munshigunge ...	1·74	
	Naraingunge ...	1·76	
19	Furreedpur „ 21, '88	0 66	Weather—seasonable. Prospects fair. *Aus* harvesting going on. In some places the crop has been damaged on account of short rainfall.
	Goalundo	0 35	
	Madaripur .	1·19	
20	Backergunge „ 19, '88	1·46	Weather—seasonable. Prospects of crops good, except in Bhola, where they are tolerable.
21	Mymensingh „ 20 '88	1·23	Weather—hot. Prospects of crops good.
	Jamalpur ...	0·47	
	Kishoregunge ..	0·40	
	Attia ...	0·65	
	Netrokona ...	2·15	

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Eastern Districts—concld.			
Chittagong Divn.	22	Chittagong	July 24, '88	7·05	Weather—seasonable. Agricultural prospects fair. Prices stationary.
	23	Noakholly	„ 20, '88	3 07	Weather—seasonable. Reaping of *aus* continues. Transplantation of *amus* progressing. More rain wanted in Fenny.
		Fenny	...	0 46	
	24	Tipperah	„ 19, '88	0 42	Weather—too dry. Much more rain wanted. Outturn of jute in Brahmanbariah is not good. All other crops are promising throughout the district, but more rain is much wanted, especially in the Sudder sub-division.
		Brahmanbariah	.	0·35	
		Chandpur	...	1·06	
	25	Chittagong Hill Tracts.	„ 17, '88	1·20	Weather—cloudy and sunny with occasional showers throughout the week. *Jum* paddy suffering from drought. Plough-paddy is also suffering in the seed beds. Rain badly wanted.
		Hill Tipperah	„ 18, '88	1·65	Weather—hot and cloudy. Transplantation of *amus* paddy commenced. Sugarcane and early rice doing well.
BEHAR					
Patna Divn.	26	Patna	„ 21, '88	3·53	Weather—hot with east wind. *Bhadoi* and paddy sowings still going on. In some places sowing has been completed. Alternate sunshine and rain is all that is now necessary.
		Barh		1·65	
	27	Gya	„ 21, '88	2·39	Weather—cloudy. Paddy being sown. *Bhadoi* coming on well. Rain anxiously wanted in the Nowada sub-division.
	28	Shahabad	„ 21, '88	3·[illegible]	Weather—clear and cloudy at intervals. *Bhadoi* and paddy sowings are progressing rapidly. Prospects of sugarcane are good. More rain is still wanted in the Sasseram sub-division. Prices stationary.
		Buxar	.	1·73	
		Sasseram	...	3 93	
	29	Durbhunga	„ '88		Report not received.
	30	Mozufferpur	„ 21, '88	3·86	Prospects of crops fair In some parts of Sitamarhi rain is urgently wanted for the transplantation of paddy. Early maize in ear.
		Hajipur	..	0 94	
		Sitamarhi		2·07	
	31	Sarun	„ 21, '88	1 65	Weather—cloudy and rainy. Sowings of *bhadoi* and paddy are in full swing. Transplantation of paddy will shortly commence. Prospects of all crops on the ground excellent.
		Sewan	...	2·16	
		Gopalgunge	.	1 87	
	32	Chumparun	„ 21. '88	1 00	Weather—hot and cloudy. Transplantation of paddy progressing, but more rain wanted in places. *Bhadoi* being weeded. Indigo mahai going on.
		Bettiah		4 88	
Bhagulpore Divn.	33	Monghyr	„ 21, '88	3 75	Weather—hot and mostly cloudy with rain at intervals. Standing crops doing well. *Bhadoi* and paddy sowings still going on.
		Beguserai		2·35	
		Jamui		3·19	
	34	Bhagulpur	„ 21, '88	4 82	Weather—seasonable. *Bhadoi* crops have recovered a good deal. More rain wanted for transplantation of rice, especially in the south.
		Banka	..	1·71	
		Madehpura	..	6 77	
		Soopole	.	4·15	
	35	Purneah	„ 21, '88	2·85	Sunshine and rain. State and prospects of crops very good.
		Kishengunge	...	3 62	
		Arrareah	...	5 23	
	36	Maldah	„ 21, '88	3 68	Weather—seasonable. Rain has done much good to *bhadoi* and *amun* crops. More rain wanted for transplanting of winter rice.
		Chanchal	..	0 98	
		Shibgunge	...	4 51	
		Gajol	...	3 80	
	37	Sonthal Perghs.	„ 21, '88	2 66	Weather—continues favourable. Crops late, but getting on well.
		Deoghur	...	2·33	
		Godda	..	0 69	
		Jamtara		3 75	
		Pakour	...	5 84	
		Rajmahal	...	2 61	
ORISSA					
Orissa Divn.	38	Cuttack	July 20, '88	5·05	Weather—cloudy and seasonable. The rain of last week greatly improved the state of paddy crops everywhere. Common rice sells at 19 seers 11 chittacks per rupee in town.
	39	Pooree	„ 19, '88	1·11	Weather—cloudy and stormy towards the end of the week. More rain is required for puddling and transplantation of the winter (*sarad*) crops. Rainfall during the week is favourable to the standing crops of the season. *Beali* (early rice) is being weeded. Common rice 20 seers 14 chittacks per rupee in the Sudder sub-division and 18 seers 12 chittacks in the Khoorda sub-division.
		Khoordah	.	1·68	
	40	Balasore	„ 20, '88	2·37	Weather—seasonable. More rain is still wanted, especially in the centre of the district. The fields that suffered from drought are being re sown.
CHOTA NAGPORE.					
		South-West Frontier Agency.			
Chota Nagpore Divn.	41	Hazaribagh	July 20, '88	4·53	Weather—rainy. Paddy sowings continue. Sugarcane doing well. Too much rain for *bhadoi*. A break for a week or so needed. Condition of agricultural stock good.
	42	Lohardugga	„ 21, '88	6·22	Weather—very rainy. Heavy rain during the week. Sowing of paddy completed. Area under cultivation under normal in Palamow owing to the unusual drought and heat having killed and weakened the plough-cattle. Prices of food-grains rising.
		Palamow (up to 16th)	..	0·48	
	43	Singbhoom	„ 20, '88	2 32	Weather—very wet. The rains appear to have set in at last and just in time to save the crops. Crop prospects good.
	44	Manbhoom	„ 21, '88	4 79	Weather—cool and rainy. There was plenty of rain during the week, greatly to the advantage of paddy cultivation.
		Govindpur		3 01	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 24th July 1888.

H. J. S. COTTON,
Offg Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of April 1888.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS. Rice and Paddy. Rice.	* Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	FIBROUS PRODUCTS. Jute, raw.	† Gunny-bags.	OIL-SEEDS. Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR. Drained	Undrained.	TOBACCO. Bispath.	Other kinds.
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan	97,243	6,796	1,01,401	3,432	13,711	4,847	1,23,481	22	11,300	6,377	119	...	3	142	151	11	...	2
Beerbhoom ...	52,642	.	52,642	912	387	80	54,021	...	3,850	8,980	...	...	4	279	...	3	...	...
Midnapore	1,21,781	19,119	1,33,730	1,066	652	1,203	1,36,651	...	375	6,614	270	...	6	451	...	1,037	...	488
Hooghly	45,410	3,612	47,667	11,003	7,361	3,735	69,851	1,564	587,583	12,460	50	...	53	159	553	14,668	...	6,104
24-Pergunnahs ...	1,63,509	17,847	1,74,663	964	400	5,516	1,81,544	10,463	628,236	8,462	...	...	4,027	...	14,397	24,736	...	7,202
Nuddea	15,558	296	15,737	1,14,153	1,24,489	26,712	2,81,491	6,563	1,485	81,700	757	...	75	409	2,982	10,335	...	3,172
Khulna	45,670	25,200	61,420	53	13,327	...	74,800	3,835	...	4,384	1,545	...	...	...	550	5,750	...	18
Jessore	29,570	10,350	36,039	1,138	40,789	398	87,364	1,341	805	13,118	423	...	59	...	493	18,490	...	3,193
Moorshedabad ...	875	...	875	6,032	2,805	2,800	12,562	200	245	2,275	315	...	...	358	...	...	...	...
Dinagepore ...	11,697	...	11,697	...	575	...	12,272	3,378	12,810	...	377	...	...	...	...	...	...	...
Rajshahye	2,290	...	2,290	...	3,223	2,757	8,270	...	70	3,533	...	...	...	9	...	...	...	...
Rungpore	50	...	50	267	...	...	317	14,694	23,700	...	...	...	2,029	...	...	1	6,116	7,574
Bogra	44,260	...	44,200	...	...	...	44,260	1,199	2,030	123	...	...	...	...	...	...	...	...
Pubna	...	...	...	527	775	1,627	2,929	1,26,003	668,075	3,090	3,733	...	...	...	...	...	1,485	1,489
Darjeeling	...	...	...	...	...	...	...	...	3,515	...	...	3,962	...	...	...	...	...	...
Julpigoree	...	...	...	...	...	...	...	...	115,780	...	...	596	...	...	...	...	206	877
Dacca	2,314	...	2,314	173	2,773	799	6,079	63,983	...	5,483	26,924	...	18,032	...	...	...	...	...
Furreedpore ...	6,475	...	6,475	3,734	16,961	130	27,300	22,034	35	4,747	5,186	182	1,376	315	...	...	197	...
Backergunge ...	2,88,379	...	2,88,379	...	1,961	...	2,90,280	1,025	...	...	...	...	...	...	...	...	...	...
Mymensingh ...	307	...	307	...	350	330	987	6,368	...	...	412	...	...	...	...	...	...	...
Tipperah	4,100	...	4,100	...	300	...	4,400	...	...	...	...	...	...	...	...	...	...	...
Chittagong	1,606	6,310	5,559	...	381	...	5,941	...	800	...	...	67	4,835	...	...	...	...	1
Noakholly	6,815	...	6,815	...	...	...	6,815	...	...	967	...	...	600	...	...	...	...	...
Total of Bengal ..	9,40,571	89,520	9,96,521	1,13,564	2,40,565	50,054	14,31,604	2,65,931	2,066,216	1,65,307	40,114	4,807	31,019	2,157	19,126	75,029	8,004	30,238
BEHAR.																		
Patna	327	...	327	5,662	20,941	5,674	32,604	...	560	1,90,508	6,311	...	...	3	...	41	...	1,202
Gya	...	...	...	14,600	...	...	14,600	...	...	23,941	...	...	...	2	...	62	...	26
Shahabad	...	...	...	15,130	3,754	...	18,884	...	210	52,937	...	...	...	...	25	2,293	...	9
Mozufferpore ...	...	...	...	...	...	...	...	...	...	3,344	...	...	...	...	...	...	...	37
Durbhunga ...	...	...	...	...	...	177	177	...	...	27,623	2,507	...	3	...	...	...	...	324
Sarun	...	...	...	...	...	...	...	...	...	...	616	...	...	...	...	69	...	...
Chumparun ...	...	...	...	...	...	...	...	...	...	3,224	331	...	...	...	...	...	...	...
Monghyr	...	...	...	18,665	10,361	...	29,026	...	350	12,161	865	...	...	...	...	1	...	...
Bhagulpore ...	243	...	243	44,823	4,940	19,614	69,626	...	70	35,956	2,385	...	...	1	...	...	...	...
Purneah	...	...	...	332	...	...	332	995	...	293	...	...	...	...	...	...	...	5,017
Maldah	...	...	...	87,995	1,975	237	90,207	...	...	...	600	...	...	...	...	...	...	...
Sonthal Pergunnahs	9	...	9	...	31,336	315	31,690	...	1,120	29,800	690	...	36	86	...	132	...	135
Total of Behar ..	579	...	579	1,87,213	73,537	26,017	2,87,346	995	2,310	3,79,817	14,298	...	39	92	25	2,598	...	6,750
ORISSA.																		
Cuttack	...	...	...	...	...	375	375	...	...	...	375	...	...	...	...	...	...	...
Balasore	52,268	5,431	55,662	1,361	350	...	57,373	44	54,056	98	...	...	...	29	...	...	...	358
Total of Orissa ...	52,268	5,431	55,662	1,361	350	375	57,748	44	54,056	98	375	...	...	29	...	...	...	358
CHOTA NAGPORE.																		
Hazaribagh ...	...	...	...	...	301	...	301	...	420	1,182	...	96	...	9	...	...	...	...
Manbhoom ...	...	...	...	...	...	...	...	...	1,015	...	...	...	...	...	...	...	...	...
Total of Chota Nagpore.	...	...	...	...	301	...	301	...	1,435	1,182	...	96	...	9	...	...	...	...
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal	9,93,418	94,951	10,52,762	3,32,138	3,14,753	77,346	17,76,999	2,67,000	2,124,017	5,46,404	54,784	4,903	31,058	2,287	19,151	77,627	8,004	37,346
OTHER PROVINCES																		
Assam	...	...	...	...	...	...	...	2,147	...	6,912	19,925	985	478	4	...	...	...	...
North-Western Provinces and Oudh.	2	...	2	1,16,800	6,654	1,504	1,24,960	...	1,260	3,71,926	2,01,943	102	17,399	50	191	84	...	18
Punjab ...	13	...	13	...	...	3	16	...	...	466	14,114	11	3,118	...	...	...	...	...
Central Provinces	...	...	...	5,247	...	...	5,247	...	...	...	2,003	...	...	1	...	...	...	...
Rajputana States ...	...	...	...	...	...	48	48	...	...	9,455	1,600	...	1,354	10	...	...	...	...
Nepal	...	...	...	...	...	...	...	...	...	...	591	...	...	...	...	...	...	...
Bombay	35	...	35	...	27	...	62	...	19,000	...	...	...	6,118	1	14	...	...	8
Madras	...	...	...	...	2,243	...	2,243	15	...	...	16	...	...	...	...	...	...	399
Burmah	2,907	...	2,907	...	4	...	2,911	...	4,462	...	...	...	...	...	...	...	...	...
Other places ...	14	1,271	808	...	...	12	820	...	53,890	...	...	...	...	23	30,171	45,865	...	...
Grand Total of Imports in April 1888	9,96,389	96,222	10,56,527	4,54,185	3,23,681	78,913	19,13,306	2,69,163	2,203,139	9,34,963	2,94,985	6,001	53,025	2,375	53,657	1,23,576	8,004	37,771
1887	9,70,524	1,36,343	10,55,758	8,38,579	3,56,020	13,725	24,64,082	3,16,397	1,907,604	9,18,564	2,25,127	5,584	2,13,700	2,429	27,148	87,221	7,074	40,113

* One maund of paddy is equivalent to 25 seers of rice. | † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of April 1888 *was as follows.—*

Exported from Calcutta—	Rice.	Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar Drained	Undrained.	Bispath.	Other kinds.
To Indian ports, viz.—																		
Bombay ..	3,18,429	30	3,18,448	...	21,191	...	3,39,639	25	1,068,704	...	...	126	...	...	1,172	...	...	...
Other ports in Bombay ...	8,689	...	8,680	...	1	...	8,690	...	...	...	...	1	...	...	...	...	...	...
Madras ...	159	...	150	539	10,099	125	10,922	1	187,700	...	...	4	...	272	72	...	...	...
Other ports in Madras ...	2,53,789	14,866	2,63,080	111	7,068	11	2,70,270	1,215	123,100	...	...	2	...	...	751	...	...	...
British Burmah	11,142	...	11,142	14,307	21,794	177	47,420	173	1,007,200	...	42	76	...	2	460	331	...	3,970
Other Indian ports	...	...	...	...	1,290	...	1,290	...	170,564	...	...	...	...	...	314	408	...	3,4[illegible]
Pondicherry ...	...	...	...	199	...	...	199	...	214,600	...	...	...	...	...	...	...	...	...
Total of Inter-portal trade ...	5,92,208	14,896	6,01,518	15,156	61,443	313	6,78,430	1,414	3,371,868	...	42	209	...	274	2,769	742	...	7,3[illegible]
To Foreign ports— United Kingdom	2,76,997	...	2,76,997	1,52,482	80,772	...	5,16,251	4,07,875	71,400	8,60,191	38,078	3,215	11,763	89	...	698	...	...
Other Foreign ports ..	3,06,792	7,247	3,11,321	7,275	22,070	479	3,41,145	1,07,287	5,800,428	25,352	...	47	3,812	687	284	283	...	15
Total of Foreign trade ...	5,83,789	7,247	5,88,318	1,59,757	1,08,842	479	8,57,396	5,15,162	5,871,828	8,85,543	38,078	3,262	15,575	776	284	981	...	15
Grand Total of Exports in April. 1888	11,75,997	22,143	11,89,836	1,74,913	1,70,285	792	15,35,826	5,16,576	9,243,696	8,85,543	38,120	3,471	15,575	1,050	3,053	1,723	...	7,5[illegible]
1887	9,39,430	23,608	9,54,185	2,79,323	3,57,503	11,916	16,05,227	5,40,681	7,482,449	3,54,466	8,468	5,471	2,16,122	1,648	2,131	571	...	6,2[illegible]

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of April 1888.

IMPORTS INTO CALCUTTA.

Specification of Routes.	Food-grains.					Fibrous Products.		Oilseeds.		Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar.		Tobacco.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Drained.	Undrained.	Bispath.	Other kinds.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	6,45,793	80,017	77,036	1,20,485	43,867	49,888	1,251,681	70,005	13,148	... ..	9,765	326	5,629	19,807	.	9,916
,, river steamers .	1,164	... ..	3,613	3,162	. ..	1,45,106	.. ..	14,805	37,678	813	7,951	130	1,628	4	1,244	1,109
,, rail { East Indian Railway.	1,33,728	1,483	3,09,089	87,159	27,367	... ..	24,815	7,72,486	2,32,193	209	21,914	1,135	216	2,731	...	5,770
,, rail { Eastern Bengal State Railway.	82,818	......	61,850	1,09,719	1,749	63,787	832,845	70,346	11,950	4,912	8,917	733	. . .	28,418	6,760	10,378
,, road	78 750	5,875	1,266	152	5,918	10,324	11,800	7,223	... ..	... .	1,014	... ..	11,870	26,091	...	9,848
,, sea	54,130	8,847	1,361	3,005	12	59	82,018	98	16	67	9,964	52	34,515	45,305	..	730
Grand Total of Imports in April { 1888 ..	9,98,389	96,222	4,54,185	3,24,681	78,913	2,09,162	2,203,139	9,34,063	2,94,985	6,001	59,525	2,376	53,857	1,23,576	8,004	37,771
Grand Total of Imports in April { 1887 .	9,70,524	1,36,343	8,38,379	5,56,020	13,725	3,16,397	1,007,604	9,18,564	2,25,127	5,584	2,13,700	2,429	27,198	87,221	7,074	40,113

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of April 1888.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian	European.	Indian.		
BENGAL.	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Burdwan ...	2,40,927	440	130	1,080	26,704	58,930
Beerbhoom ...	1,77,660	3,190	45	574	11,009	38,570
Midnapore ...	2,34,186	2,049	1,117	... ..	32,875	10,459
Hooghly ...	1,14,926	3,721	602	100	2,970	29,285
24-Pergunnahs ...	1,62,291	8,490	679	......	11,043	39,700
Nuddea ...	4,24,196	.. ..	1,288	......	21,188	98,025
Khulna ...	53 245	.. ..	123	......	4,263	4,480
Jessore ...	1,06,887	... ..	575	......	15,704	9,580
Moorshedabad ..	76,423	... .	1	18	2,222	10,810
Dinagepore ...	89,145	. ..	......	30	6,041	1,365
Rajshahye ...	90,846	. .	16	30	7,297	16,875
Rungpore ...	1,97,694	.. .	... ..	169	12,236	1,295
Bogra ...	1,72,305	. ....	... .	59	5,842	23,975
Pubna ..	1,66,574	......	68	10	6,735	1,665
Darjeeling ..	97,083	......	......	237	4,011	210
Julpigoree ...	45,801	......	21	177	4,830	85
Dacca ...	3,54,687	......	608	1,078	8,695	39,351
Furreedpore ...	2,04,624	.. .	612	... ..	12,813	8,540
Backergunge ..	1,06,127	.. ..	208	... .	20,650	175
Mymensingh ...	38,241	..	19	15	22,398	1,120
Tipperah ..	.. ..	. ..	... .	......	1,350	
Chittagong ...	89,860	.. ..	119	......	. .	36,114
Noakholly ...	8,046	. ....	8	......	2,100	. ..
Total of Bengal ..	32,52,262	17,890	6,293	3,577	2,43,026	429,619
BEHAR						
Patna ...	5,18,679	440	131	364	23,168	207,630
Gya ...	2,89,928	...	53	770	9,504	19,425
Shahabad ...	6,98,733	550	8	340	19,193	45,430
Mozufferpore ...	2,55,339	440	...	...	2,346	9,800
Durbhunga ...	7,84,098	..	9	850	14,276	57,995
Sarun ...	6,35,040	... .	4	30	8,910	7,210
Chumparun ...	5,97,870	......	9	6	17,228	11,696
Monghyr ...	2,92,383	... ..	. .	631	8,918	83,030
Bhagulpore ...	3,73,149	......	15	218	15,284	128,525
Purneah ...	1,94,881	... .	27	314	2,720	9,415
Maldah ...	.	... .	......	... ..	2,425	900
Sonthal Pergunnahs	2,84,626	550	102	466	18,711	111,335
Total of Behar ..	49,23,724	1,980	358	3,989	1,40,979	692,386
ORISSA						
Cuttack ...	. ..	......	......	...	.... .	17,250
Balasore ...	1,79,500	.. ...	6,847	586	18,259	1,17,200
Total of Orissa ..	1,79,500	......	6,847	586	18,259	134,450

Whither exported.	Cotton piece-goods		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
CHOTA NAGPORE.	Rs	Rs.	Mds.	Mds	Mds	No
Hazaribagh	2,19,807	......	... ..	92	6,881	2,800
Manbhoom	29,736	. . ..	39	376	9,901	2,240
Total of Chota Nagpore	2,49,543	... .	39	468	16,832	5,040
Grand Total of supplies into the provinces under the Lieutenant-Governor of Bengal.	86,05,029	19,870	13,539	8,620	4,18,396	1,261,494
OTHER PROVINCES.						
Assam	1,68,587	......	2	163	16,554	6,825
North-Western Provinces and Oudh	41,24 484	1,760	2,326	283	12,799	1,043,500
Punjab	11,29,905	2,860	1,114	... ..	... ..	375,445
Central Provinces	21,420	... ..	105	6	......	175,000
Rajputana States	34,083	. .	152	. ..	... ..	13,980
Berar	63	. ..	... ..	... ..	... ..	. . ..
Nepal	. . .	... ..	... ..	... ..	... .	490
Nizam's Territory	504	... .	... ..	.. .	... ..	. ..
Bombay	252	1,980	.. .	... .	... ..	1,069 704
Madras	65,738	900	1,574	238	... ..	310,810
Pondicherry	.. .	... ..	. ..	... ..	. ..	214,600
British Burmah	1,57,807	75	638	1,398	... ..	1,007,200
Sind	504	... ..	... .	. .	... ..	20,005
Other places	17,511	1,072	1	1,750	... ..	5,871,828
Grand Total of Exports in April { 1888 ..	1,43,25,907	28,517	19,471	12,363	4,48,279	11,978,821
Grand Total of Exports in April { 1887 ..	1,36,14,577	59,551	21,760	8,944	5,99,673	9,856,945

The Sea-borne Trade of Calcutta in these Staples during the month of April 1888 was as follows:—

	Cotton piece-goods, European.	Cotton piece-goods, Indian.	Cotton twist, European.	Cotton twist, Indian.	Salt.	Gunny-bags.
IMPORTED INTO CALCUTTA—	Rs.*	Rs.	Mds.	Mds.	Mds	No.
From Foreign Ports—						
United Kingdom ...	1,11,49,308	... ..	13,195	.. ..	2,76,532	... ..
Other Foreign ports ...	108,162	... .	355	.. ..	3,81,986	53,800
Total of Foreign Trade ...	1,12,57,470	. ..	13,550	... ..	6,58,518	53,800
From Indian Ports—						
Bombay	40,173	98,275	... ..	2,877	51,871	19,600
Other Ports in Bombay ..	11,618	... ..	... .	... .	... ..	......
Madras	6,439	300	......	783	... ..	......
British Burmah	3,150	1,444	. ..	19	... .	4,462
Other Indian ports ...	.....	300	... .	10	... .	4,156
Total of Interportal Trade ..	61,380	1,00,379	... ..	3,689	51,871	28,218
Grand Total of Imports in April... { 1888 ...	1,13,18,850	1,00,379	13,550	3,689	7,10,389	82,018
Grand Total of Imports in April... { 1887 ...	1,19,48,870	1,55,895	24,241	5,030	6,87,114	63,900

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of April 1888.

Specification of Routes.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats ...	2,20,180	5,604	1,098	......	1,40,848	108,085
,, river steamers ...	4,47,074	......	627	885	31,132	15,315
,, rail { East Indian Railway ...	1,09,63,386	12,210	4,393	6,418	2,07,879	2,434,665
,, rail { Eastern Bengal State Railway ...	19,65,474	......	3,164	1,083	51,063	169,610
,, road ...	2,19,337	8,656	1,036	100	4,234	7,550
,, sea ...	5,10,486	2,047	9,151	3,877	12,223	9,243,696
Grand Total of Exports in April ... { 1888 ...	1,43,25,907	28,517	19,471	12,363	4,48,279	11,978,821
Grand Total of Exports in April ... { 1887 ...	1,36,14,577	59,551	21,760	8,944	5,99,673	9,856,945

STATISTICAL DEPARTMENT,
The 20th July 1888.

H. J. S. COTTON,
Offg. Secretary to the Govt. of Bengal.

PRICES-CURRENT *(RETAIL)* OF FOOD-GRAINS, FIREWOOD AND SALT IN THE MARTS OF BENGAL FOR THE FORTNIGHT ENDING 15TH JULY 1888.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare). Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	BENGAL.															
	Western Districts.															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ..	14 8	14 10	12 12	No sale			15 0	16 11	16 8	20 4	21 0	21 0		.	
2	Bankoora ...	13 8	13 8	15 8	16 0	16 0	20 0	16 4	18 0	17 8	18 0	18 1½	'2 8		.	.
3	Beerbhoom ...	15 0	15 0	18 0		..		15 0	15 0	18 0	19 8	19 8	22 8	..		
4	Midnapore ...	13 5	13 5	16 0	40 0	40 0	..	16 0	18 8	21 0	23 0	24 0	23 8	.	.	..
5	Hooghly .	14 0	14 0	15 0	...	..	.	10 0	10 0	10 0	18 0	18 0	18 0	.		
	Howrah ..	Not	available.		.	..		13 8	13 4	13 12	19 0	17 12	18 4	.	.	
	Central District.															
	Calcutta ..	13 6	13 8	14 4	19 10	21 3	20 0	11 0	11 13	9 6	16 14	16 13	19 2	20 6	20 13	21 0
6	24 Pergunnahs	14 0	14 4	14 0	20 0	21 0	25 0	8 0	8 0	8 0	18 0	17 8	18 13		...	...
7	Nuddea ...	15 14	15 14	16 0	24 12	26 10½	2 0	14 8	14 8	15 4	17 10	17 [illegible]	20 5	..	.	
8	Khoolna	..	.	.	..	.	.	18 0	19 0	18 0	20 12	21 0	21 0		.	..
9	Jessore ...	16 0	16 0	16 0	.	..		16 0	15 0	17 0	19 0	21 0	[illegible] 12	...		-
10	Moorshedabad	15 0	15 0	15 0		.	..	16 0	16 0	15 0	21 0	22 0	22 0	.		.
11	Dinagepore .	14 2	14 2	13 0		.	22 0	18 0	18 0	17 0	22 0	22 0	21 0		.	..
12	Rajshahye .	18 0	17 4	16 8	45 0	45 0	45 0	15 12	16 2	16 14	19 8	19 3½	18 12		.	...
13	Rungpore .	17 12	17 12	18 12	.		...	13 4	13 4	15 3	20 0	20 0	18 12	.		..
14	Bogra .	17 4	16 8	17 4	..	..	..	15 0	15 12	13 8	24 0	[illegible]5 8	21 0	.	.	...
15	Pubna ...	18 12	19 0	18 12	.	.	.	8 4	8 0	8 0	22 8	22 14	20 0	.	.	..
16	Darjeeling .	10 0	10 0	9 0	10 0	10 0	11 0	5 0	5 0	5 0	14 0	14 0	13 0	.	...	...
17	Julpigoree ..	13 0	13 0	13 0	20 0	20 0	20 0	13 0	13 0	13 0	20 0	20 0	22 0	.	..	..
	Eastern Districts.															
18	Dacca ..	16 0	18 0	14 8	30 0	32 0	26 0	19 0	18 0	16 0	21 0	21 0	19 0	..	...	...
19	Furreedpore ...	22 0	24 0	22 0	40 0	40 0	26 0	15 0	15 0	17 0	20 0	24 0	19 0	..	..	...
20	Backergunge ..	...	...	...	...	...	...	16 14	16 14	16 8	19 0	20 0	19 8	...	...	...
21	Mymensingh ...	12 8	12 8	12 0	...	.	...	16 0	16 4	12 0	19 0	20 0	16 0	...	...	...

A In sub-divisions retail prices of salt per rupee are :—Culna 10½ seers, Cutwa 10½ seers, and Raneegunge 11 seers.
B At Bishenpore retail price of salt 10 seers per rupee
C At Rampore Haut retail prices of salt 11¼ seers per rupee.
D In sub-division retail prices of salt per rupee are .—Contai 9½ seers, Tumlook 8 seers, and Ghattal 11 seers.
E In sub-division retail prices of salt per rupee are :—Serampore 11 seers and Jehanabad 10½ seers.
E1 In sub-division retail prices of salt per rupee are :—Baraset and Bussirhat 9 seers, Barrackpore 9½ seers, and Dum-Dum 10 seers.
F In sub divisions retail prices of salt per rupee are :—Kooshtea, Chooadanga, and Ranaghat 10 seers, and Meherpore 10½ seers.
G In Bagirhat sub-division retail price of salt 8 seers per rupee.
H In sub-divisions retail prices of salt per rupee are .—Jhenida and Magura 9 seers, Narail 7½ seers, and Bongong 10 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 15th July 1888.

Salt. Present return.	Salt. Next preceding return.	Salt. Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Wholesale Salt. Next preceding return.	Wholesale Salt. Corresponding return of last year.	Average wages per month. Able-bodied Agricultural Labourer. Present return.	Able-bodied. Next preceding return.	Able-bodied. Corresponding return of last year.	Syce or House-keeper. Present return.	Syce. Next preceding return.	Syce. Corresponding return of last year.	Common Mason, Carpenter, or Blacksmith. Present return.	Mason. Next preceding return.	Mason. Corresponding return of last year.	Districts
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	BENGAL. *Western Districts.*
A 10 14	10 8	13 5	3 9 0	3 9 0	2 14 6	8 0	8 0	8 0	6 8*	6 8	6 8	10 0 to 15 0	10 0 to 15 0	10 0 to 15 0	Burdwan
B 10 0	10 0	12 8	.....	......	... ..	5 0 to 9 0	5 0 to 9 0	6 0 to 10 0	4 0 to 7 8	4 0 to 7 8	5 0 to 8 0	7 0 to 15 0	7 0 to 15 0	8 0 to 10 0	Bankoora
C 10 0	10 0	12 12	3 13 0	3 13 0	3 0 0	6 0	4 0 to 6 0	4 0 to 6 0	6 0	5 0	5 0	7 8 to 10 0	7 8 to 10 0	7 8 to 10 0	Beerbhoom.
D 10 8	10 8	13 0	3 12 0	3 12 0	3 1 0	6 0	6 0	6 0	5 0 to 6 0	5 0	6 0	7 8 to 11 4	7 8 to 10 0	7 8 to 9 0	Midnapore.
E 9 0	9 0	13 8	4 6 0	4 6 0	2 11 0	9-13 6	10 0	7 8	5 0	6 0 to 7 0	5 0	5 0 to 25 0	12 0 to 25 0	10 0 to 20 0	Hooghly
10 0	9 0	12 0	3 11 0	3 11 0	2 14 6	7 8 to 15 0	7 8 to 15 0	7 8 to 15 0	7 0	7 0	7 0	12 0 to 25 0	12 0 to 25 0	13 0 to 25 0	Howrah
															Central Districts.
10 10	10 10	13 0	3 7 7	3 7 6	3 0 0	8 8 (Coolies.)	12 0	12 0	7 0	7 0	7 0	15 0 to 20 0	15 0 to 20 0	15 0 (Mason.)	Calcutta
E1 10 8	10 8	12 8	3 7 0	3 8 [illegible]	2 15 6	10 0	10 8	10 0	8 0 to 9 0	6 0	6 0	15 0 to 25 0	15 0 to 20 0	15 0 to 20 0	24 Pergunnahs
F 9 13	9 13	11 10½	3 12 0	3 12 0	3 0 0	6 0	6 0	6 0	6 0	6 0	6 0	7 8 to 15 0	7 8 to 15 0	7 8 to 15 0	Nuddea
G 10 0	10 0	10 8	......	......	3 12 0	7 8 to 9 6	9 0 to 15 0	9 0 to 15 0	7 0 to 8 0	6 0 to 8 0	6 0 to 8 0	15 0 to 30 0	10 0 to 16 0	10 0 to 16 0	Khoolna
H 10 8	10 11	10 12	3 12 0	3 12 0	3 2 0	5 0 to 7 8	7 8	7 8	4 0 to 6 0	6 0 to 7 0	6 0 to 7 0	10 0 to 15 0	15 0	15 0	Jessore
I 10 8	10 8	12 0	3 12 0	3 12 0	3 5 0	5 0	5 0	5 0	5 0	5 0	5 0	7 8	7 8	7 8	Moorshedabad
J 10 0	10 0	12 8	3 14 0	3 14 0	3 2 0	7 8	7 8	7 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	10 0 to 15 0	10 0 to 15 0	10 0 to 15 [illegible]	Dinagepore
K 9 0	9 0	12 0	3 13 4	4 1 4	3 2 6	5 0 to 6 0	5 0 to 6 0	6 0 to 7 0	5 0 to 6 0	5 0 to 6 0	5 0 to 6 0	8 0 to 14 0	8 0 to 14 0	10 0 to 14 0	Rajshahye
L 10 0	10 0	10 5	.. . .	..	3 8 0	7 8	7 8	7 8	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	8 0 to 20 0	12 0 to 15 0	12 0 to [illegible]	Rungpore
9 0	9 12	12 0	1 0 0	3 12 0	3 4 0	6 0 to 7 8	7 0 to 7 8	6 0 to 7 8	5 0 to 7 0	6 0 to 7 0	5 0 to 7 8	10 0 to 2[illegible] 0	6 0 to 7 0	10 0 to 22 0	Bogra
M 10 0	10 6	12 0	... ..	.	3 5 0	5 0 to 7 0	6 0 to 7 8	6 0 to 7 8	6 0 to 10 0	6 0 to 10 0	5 0 to 6 0	8 0 to 20 0	12 0 to 20 0	12 0 to 20 0	Pubna
N 8 0	8 0	9 0	.....	. ..	4 6 0	6 0	6 0	6 0	7 0 to 9 0	7 8 to 9 0	7 8 to 9 0	12 0 to 22 0	13 0 to 23 [illegible]	13 0 to 22 0	Darjeeling
O 9 8	9 8	11 0	4 0 0	4 2 [illegible]	3 6 0	7 8	6 0	7 8	7 0	7 0	8 0	15 0 to 16 0	13 0 to 16 0	15 0 to 25 0	Julpigoree
															Eastern Districts.
P 8 8	8 8	12 0	4 4 0	4 4 0	3 3 0	6 0 to 8 0	6 0 to 8 0	5 8 to 8 0	8 0 to 15 0	5 0 to 8 0	8 [illegible]	8 0 to 20 0	8 0 to 20 0	8 0 to 20 0	Dacca
9 0	9 0	12 0	4 5 0	4 5 0	3 1 0	7 8	7 8	7 0	7 0	7 0	7 0	10 0 to 16 0	12 0 to 15 0	12 0 to 15 0	Furreedpore
Q 10 10	10 10	12 0	3 12 0	3 12 0	3 4 0	7 8	8 0	8 0	6 0	6 0	6 0	12 0 to 15 0	12 0 to 15 0	1[illegible] 0 to 15 0	Backergunge
R 8 8	8 8	12 0	4 6 0	4 6 0	3 5 0	7 0 to 10 0	7 0 to 10 0	7 0 to 10 0	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	12 0 to 30 0	12 0 to 30 0	12 0 to 30 0	Mymensingh

* Rs. 6-8 and lodging and perquisites.

I In sub-divisions retail prices of salt per rupee are:—Lalbagh and Jungipore 10 seers and Kandi 10½ seers.
J In Thakurgaon sub-division retail price of salt 8 seers per rupee.
K In sub-divisions retail prices of salt per rupee are:—Nattore 9⅔ seers and Nowgong 9 1/10 seers.
L In sub-divisions retail prices of salt per rupee are:—Nilphamari 10 seers, Kurigram 9 seers, and Gaibanda 7½ seers.
M In Serajgunge sub-division retail price of salt 10½ seers per rupee.
N At Silliguri retail price of salt 9 seers per rupee.
O At Fallacutta in Alipore sub-division retail price of salt 8 seers per rupee.
P In sub-divisions retail prices of salt per rupee are:—Manickgunge 9 seers, Munshigunge 8¾ seers, and Naraingunge 10 seers.
Q In sub-divisions retail prices of salt per rupee are:—Patuakhali 8 seers, Perozepore 9 seers, and Bhola 10½ seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON			JOWAR OR CHOLUM (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year	Present return.	Next preceding return.	Corresponding return of last year.
	Eastern Districts—concluded															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ..	12 0	12 0	16 0	...	...	...	13 0	13 0	12 0	18 0	20 0	17 0	..	...	..
23	Noakhally	...	...	...	...		...	18 0	17 0	18 0	20 0	19 0	20 0	.	...	...
24	Tipperah	12 8	12 8	11 7	...	.	...	17 8	17 8	17 8½	22 0	22 0	19 14	...	.	..
25	Chittagong Hill Tracts	...	..	..	...	..	...	13 5	13 5	11 7	16 0	14 8½	12 5	...	...	..
	Hill Tipperah...	8 0	8 0	12 0	..	..	...	12 0	10 0	10 0	24 0	20 0	15 0	...	.	..
	BEHAR.															
26	Patna ..	19 8	19 0	18 0	24 0	25 0	28 0	11 8	11 8	11 8	19 3	19 0	21 0	...	...	26 0
27	Gya ..	17 0	17 0	16 0	20 0	21 0	31 0	11 0	11 0	9 8	16 0	16 0	18 8	...	...	...
28	Shahabad ...	17 0	16 12	16 0	22 0	22 0	29 0	8 0	9 0	8 0	15 0	15 8	16 0	...		..
29	Durbhunga ...	15 0	17 0	17 9	20 0	28 10	30 12	14 0	13 0	12 0	19 0	18 10	18 10	...	...	...
30	Mozufferpore	16 0	16 0	20 0	25 0	25 0	30 0	12 0	12 0	12 0	17 0	17 0	20 0	...	...	...
31	Sarun	17 0	17 0	15 0	22 12	22 4	27 0	9 8	9 8	8 0	18 8	18 4	20 0	...	...	...
32	Chumparun	17 0	17 0	20 0	28 0	28 0	35 0	7 0	7 8	7 8	16 0	17 0	16 0	.	...	-
33	Monghyr ...	17 14	17 13	18 9	22 2	24 2	33 8	13 14	12 1	13 14	15 12	13 9	16 12		14 2	13 14
34	Bhagulpore	17 10	17 10	17 10	22 11	25 4	35 5	13 14	13 14	17 10	17 10	17 0	20 3	.	...	.
35	Purneah ...	18 0	20 0	16 0				18 0	18 0	16 0	24 0	21 0	18 0	.	..	.
36	Maldah	17 0	17 8	16 0	...	...	...	13 0	13 0	13 0	19 8	19 8	20 0	..	...	..
37	Sonthal Pergunnahs.	13 0	13 0	13 0	...	...	...	16 0	16 0	17 0	18 0	18 0	25 0	..	..	.
	ORISSA															
38	Cuttack	10 8	11 13	15 12	.	...	...	10 8	10 8	11 13	19 11	17 1	19 11	.	.	-
39	Pooree ..	10 8	10 8	10 8	..	...	...	11 13	11 13	13 2	21 0	21 0	22 5	...	..	-
40	Balasore	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	15 0	21 6	25 0	25 0	..	.	-
	CHOTA NAGPORE. *South-West Frontier Agency*															
41	Hazaribagh ...	13 8	13 0	17 0	18 0	17 0	18 0	7 0	7 0	1[illegible] 0	13 8	13 8	17 8	Not	procurable	
42	Lohardugga ...	12 8	12 0	22 0	..	...	26 0	15 0	15 0	17 0	17 0	16 8	22 0	...	...	...
43	Singbhoom ...	12 0	12 0	20 0	16 0	16 0	29 0	12 0	12 0	20 0	16 0	16 0	28 0	...	...	...
44	Manbhoom ...	12 5	13 5	18 0	...	...	38 0	13 0	13 8	17 0	16 8	20 0	26 0	...	...	..

R In sub-divisions retail prices of salt per rupee are.—Kishoregunge, Jamalpore and Sherepore 8 seers, Attea 10 seers, and Netrokona 9 seers.
S At Cox's Bazar retail price of salt 8 seers per rupee.
T At Panchgachia in the Fenny sub-division retail price of salt 8 seers per rupee
U In sub-divisions retail prices of salt per rupee are:—Buxar 10 seers Bhabuah 9 seers, and Sasseram 9½ seers.
V In Tajpore and Madhubani sub-divisions retail price of salt 10 seers per rupee.
W At Hajipore and Sitamarhi retail price of salt 10 seers per rupee

CALCUTTA,
The 24th July 1888.

SEERS OF 80 TOLAHS.

Bajra or Cumbu. (*Pennisetum typhoideum.*) Present return.	Next preceding return.	Corresponding return of last year.	Marua or Ragi. (*Eleusine Coracana.*) Present return.	Next preceding return.	Corresponding return of last year.	Kangni or Karun. Italian millet. (*Setaria italica.*) Present return.	Next preceding return.	Corresponding return of last year.	Gram, Chana, Chhola, Kadalay, or Sunaga. (*Cicer arietinum.*) Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	...	.	..	..	...	...	16 0	16 0	16 0
...	...	...	...	...	..	..	...	...	11 0	11 0	13 0
..		...	.	.	.	.	.	...	14 4	14 4	16 0
...	...	..	.	...	.	..	.	...	...	...	...
...	...	...	...			...	...	...	12 0	12 0	12 0
...	...	26 0	25 0	27 0	26 0	...	...	24 0	26 0	24 0	29 0
..	.	..	.	...	.	17 0	17 0	17 0	21 0	21 4	28 0
...	...	...	..	..	.	...	...	...	24 0	23 8	30 0
...	...	...	29 0	30 1[illegible]	31 [illegible]3	...	...	...	22 0	25 0	27 7
...		...	30 0	30 0	3[illegible] 0	...	...	...	32 0	23 0	26 0
...	...	...	...	...	26 0	16 0	16 0	14 0	22 12	22 12	26 0
..	...	...	30 0	[illegible]0 0	...	...	...	...	19 0	21 0	31 0
...	16 12	.	...	21 0	...	16 12	16 8	31 8	25 4	25 11	30 8
..	.	..				...	...	...	23 10	22 11	27 12
..	.	..	35 0	35 0	20 0	16 0	16 0	2[illegible] 0	26 0	26 0	20 0
...	.	...		...		...	...	...	26 0	26 0	24 0
...		...	.	...	.	...	.	...	20 0	20 0	22 0
.	...		...	...	..			...	18 6	(Kalai.) 15 12	17 1
.	...		...	...	...	..	...	...	16 12	(Kalai.) 17 1	13 2
...	...	..	.	..			.	...	16 0	17 0	15 0
Not procurable.			25 0	22 0	32 0	Not procurable.			17 0	16 0	20 0
	...	...	30 0	30 0	36 0	...	...	...	16 0	18 0	22 0
..	...	...	...	...	...	.		...	14 0	14 0	16 0
..	...	...	...	...					17 0	17 0	16 0

1888—(concluded).

...ER MONTH.

...RSE- Corresponding return of last year.	Common Mason, Carpenter, or Blacksmith. Present return.	Next preceding return.	Corresponding return of last year.	DISTRICTS.
				***Eastern Districts*—concluded.**
..s. A.	Rs. A.	Rs. A.	Rs. A.	
...	...	...	...	Chittagong.
[illegible] 0 to [illegible] 0	8 0 to 15 0	7 0 to 20 0	8 0 to 15 0	Noakholly.
8 0 to 7 0	8 0 to 15 0	12 0 to 15 0	7 0 to 16 0	Tipperah.
...	..	...	...	Chittagong Hill Tracts.
[illegible] 0	15 0	15 0	15 0	Hill Tipperah.
				BEHAR.
...	...	...	...	Patna.
8 0 to 5 0	6 0 to 8 0	6 0 to 8 3	6 0 to 8 0	Gya.
...	...	...	...	Shahabad.
[illegible] 0 to [illegible] 0	3 12 to 9 8	3 8 to 8 8	3 12 to 9 8	Durbhunga.
[illegible] 0 to [illegible] 0	5 0 to 8 0	5 0 to 8 0	5 0 to 8 0	Mozufferpore.
[illegible] 0 to 6 0	6 9 to 10 0	6 9 to 10 0	6 9 to 10 0	Sarun.
[illegible] 0	5 10 to 9 0	7 8	7 8	Chumparun.
[illegible] 0 to 5 0	5 0 to 12 0	6 0 to 8 0	5 0 to 12 0	Monghyr.
[illegible] 0 to 5 0	5 10 to 11 4	6 9 to 11 4	6 9 to 11 4	Bhaugulpore.
[illegible] 0 to 5 0	7 0 to 16 0	7 0 to 16 0	7 0 to 16 0	Purneah.
0	7 0 to 12 0	7 0 to 15 0	7 0 to 11 0	Maldah.
0	7 8 to 9 6	7 8 to 9 6	7 8 to 9 6	Sonthal Perghs.
				ORISSA.
0	7 8 to 10 0	7 8 to 10 0	7 8 to 10 0	Cuttack.
0	8 0 to 10 0	8 0 to 10 0	8 0 to 10 0	Pooree.
[illegible] 0 to 6 0	7 8 to 10 0	7 8 to 9 6	7 8 to 9 6	Balasore.
				CHOTA NAGPORE. ***South-West Frontier Agency.***
[illegible]4 0	8 0	7 8	8 0	Hazaribagh.
[illegible] 8 to 5 0	4 11 to 14 1	6 0 to 12 0	6 0 to 12 0	Lohardugga.
[illegible] 8	12 0 to 15 0	10 0 to 12 0	5 0 to 12 0	Singbhoom
0	13 2 to 14 1	11 0	10 5 to 13 2	Maunbhoom.

...i 9 seers.
...areah (at Ranigunge) 9½ seers.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 7	2 11 4	2 10 3	1 12 8	1 10 4	1 8 6	3 3 7	3 2 4	3 4 3	2 2 0	2 1 4	1 13 6
2	Serajgunge ...	2 2 0	2 0 0	2 3 0	...	...	...	3 6 0	3 0 0	4 0 0	1 12 0	1 15 0	2 0 0
3	Dacca ...	2 8 0	2 2 0	2 11 0	1 4 0	1 3 0	2 6 0	2 0 0	2 2 0	2 7 0	1 14 0	1 14 0	2 0 0
4	Naraingunge	...	...	...	...	...	...	2 0 0	2 0 0	...	1 12 0	1 12 0	...
5	Chittagong ...	3 4 0	3 4 0	3 6 0	...	...	...	2 14 0	2 13 0	3 2 0	2 2 0	1 14 0	2 5 0
6	Patna ...	2 0 0	2 0 0	2 4 0	1 10 0	1 8 0	1 5 3	3 0 0	3 0 0	3 0 0	2 1 6	2 1 0	1 13 0
7	Balasore ...	2 8 0	2 8 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	0	2 0	1 10 0	1 8 0	1 7 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 14 0	1 14 0	1 11 0
	Cuttack ...	3 10 0	3 4 0	2 0	...	...	...	3 10 0	3 1 0	0	2 0 0	2 2 0	2 0 0

CALCUTTA,
The 24th July 1888.

undermentioned Marts of Bengal on the 15*th July* 1888.

Gram, Chana, Chhola, Cadalay or Sunaga. (*Cicer Arietinum*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 12 6	1 11 6	1 11 0	1 13 4	1 11 0	2 0 0	1 14 5	1 15 6	1 15 0	0 6 0	0 6 0	0 6 9	3 7 7	3 7 6	3 0 0	Calcutta.
2 4 0	2 8 0	2 1 0	...	...	...	...	...	...	...	...	...	3 5 0	3 12 0	2 12 0	Serajgunge.
2 2 0	2 3 0	1 14 0	...	...	...	2 4 0	2 3 0	2 0 0	0 5 0	0 5 0	0 5 0	4 4 0	4 4 0	3 3 0	Dacca.
2 4 0	2 4 0	..	...	...	...	2 8 0	2 8 0	.	0 10 0	0 10 0	...	3 12 0	4 0 0	...	Naraingunge.
2 6 0	2 6 0	2 6 0	...	...	...	3 12 0	3 12 0	4 6 0	0 5 0	0 5 0	0 6 0	3 14 0	3 14 0	...	Chittagong.
1 8 0	1 9 6	1 5 3	..	...	1 8 0	1 7 0	1 8 0	1 8 0	0 5 0	0 5 0	0 5 0	3 10 0	3 12 0	3 1 6	Patna.
2 6 0	2 4 0	2 8 0	...	...	...	3 2 0	3 0 0	3 5 0	0 4 0	0 4 0	0 4 6	4 0 0	4 0 0	3 5 0	Balasore.
...	...	..	.	..	...	...	.	..	...	...	...	4 10 0	4 8 0	2 10 0	Pooree.
(Kalai.) 2 2 0	2 5 0	2 0 0	...	...	...	2 5 0	3 0 0	2 10 0	0 8 0	0 8 0	0 8 0	4 7 0	4 7 0	2 14 0	Cuttack.

Published for general information.

H. J. S. Cotton,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air Pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree	29·563	29·575	—	SW	415	86·7	19th July	78·5	14th July	86·3	81·0	83·7	—	81·9
		Gopalpore	29·550	29·600	+·005	SW	401	86·7	17th "	76·8	20th "	85·3	79·9	82·0	—0·3	83·6
		False Point	29·569	29·584	—·043	WSW	320	89·5	16th "	74·1	20th "	86·2	76·9	81·6	—1·5	82·0
	Cuttack	Cuttack	29·409	29·574	—·037	W	82	94·9	17th "	74·8	20th "	90·1	78·7	84·5	+0·4	84·8
	Balasore	Balasore	29·498	29·556	—·041	SSW	159·3	95·4	18th "	74·8	20th "	90·3	78·7	84·5	+1·6	86·6
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·543	29·569	—·038	SW	401	92·7	20th "	81·0	14th, 18th, 19th & 20th July	91·1	81·7	86·4	+2·6	85·2
	Midnapore	Midnapore	29·121	29·570	—·045	S	97·7	94·3	17th & 19th July	77·3	20th "	90·9	78·7	84·8	+0·9	86·4
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·538	29·550	—·046	South-easterly.	120	92·5	17th & 19th July	78·2	15th "	89·9	79·0	84·4	+1·0	84·8
	Burdwan	Burdwan	29·457	29·555	—·046	SE	75·2	94·6	17th & 18th July	78·4	15th "	91·7	80·3	86·0	+1·3	86·2
	Bankoora	Bankoora	29·234	—	—	NE	148	95·1	17th "	77·5	14th, 19th 20th July	91·4	78·6	85·0	—	85·8
	Beerbhoom, West Burdwan	Raneegunge	29·281	29·536	—·025	Easterly	126·8	93·5	17th "	77·8	14th 18th July	90·9	79·2	85·0	+0·5	84·7
	Moorshedabad	Berhampore	29·509	29·575	—·030	South-easterly.	137·7	92·7	19th "	78·3	20th "	90·4	79·2	84·8	—0·5	85·0
	Nuddea	Krishnaghur.	29·526	29·591	—·003	SSE	171·9	93·8	19th "	77·7	18th "	91·6	78·8	85·2	+0·8	86·5
	Jessore, Khoolna	Jessore	29·569	29·602	—·008	SSE	139·8	93·8	19th "	79·4	15th, 16th July	90·9	80·3	85·6	+1·5	86·6
East Bengal.	Chittagong	Chittagong	29·584	29·673	—·002	SE	154	89·1	19th & 20th July	76·0	15th, 20th July	87·5	77·1	82·3	+1·0	83·1
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29·603	29·615	—·009	SE	120·9	90·3	18th "	76·8	14th "	87·8	78·0	83·4	+1·4	84·4
	Noakholly	Noakholly	29·610	29·654	—	SSE	134·1	87·3	15th "	75·0	15th "	85·8	78·1	82·0	—	82·0
	Furreedpore	Furreedpore	29·585	29·624	—·007	SE	170	91·0	18th "	78·9	14th, 16th, 20th July	88·5	79·8	84·2	+1·2	84·8
	Dacca	Dacca	29·507	29·619	—·01	SSE	175	90·6	17th & 18th July	78·2	14th "	89·5	79·9	84·7	+1·1	84·1
	Commillah	Commillah	29·604	29·640	—·007	SE	141·5	89·4	17th & 18th July	?	?	88·1	?	?	?	83·0
	Mymensingh	Mymensingh	29·581	29·639	—·002	SE	147·3	91·3	18th "	78·5	14th, 15th, & 18th July	85·[illegible]	79·2	84·0	+0·7	84·3
North Bengal.	Bogra	Bogra	29·535	29·597		E & ESE.	141·3	92·3	19th "	77·8	14th "	90·[illegible]	79·4	84·7	+0·3	85·6
	Pubna	Serajgunge	29·56[illegible]	29·611	—·01[illegible]	E	116·4	90·1	17th, 19th, 20th July	77·8	14th, 15th July	89·1	70·4	84·3	+0·2	83·8
	Rajshahye	Rampore Beauleah.	29·528	29·592	—·004	SE	207·2	93·3	19th "	77·1	20th "	90·2	78·3	84·2	+0·1	85·3
	Maldah	Maldah	29·510	—	—	SE	130·7	93·5	14th "	77·4	17th "	92·8	79·5	86·2	—	85·7
	Dinagepore	Dinagepore	29·487	29·607	+·018	ENE	165	91·6	17th "	78·1	17th "	89·[illegible]	79·3	84·5	—0·6	85·6
	Rungpore	Rungpore	29·496	29·619	—·027	E & ENE	140	91·3	16th, 17th, 19th July	76·7	17th "	90·4	78·5	84·4	—0·2	85·3
	Julpigoree, Cooch Behar	Julpigoree	29·354	29·641	+·020	E & SE	175·6	96·9	14th "	69·8	14th, 15th, 16th July	90·8	72·4	81·6	—1·9	82·0
	Darjeeling Hill Tracts	Darjeeling	22·924	—	+·018	Easterly	87	68·6	14th "	56·1	14th "	67·0	57·4	62·2	+0·1	62·6
North Behar.	Purneah, North Bhagulpore	Purneah	29·472	29·597	—·002	ESE	52·3	91·2	16th, 19th, July	75·6	15th, 17th, 18th July	89·8	*76·5	83·2	—1·7	86·4
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga	29·410	29·585	0	E & SSE	153	91·9	14th, 17th, July	78·8	14th "	90·8	80·8	85·8	+1·0	85·8
	Chumparun	Motihari	[illegible]	29·575	+·057	[illegible]E	235·4	94·2	17th "	77·9	19th "	91·0	79·3	85·3	—0·1	86·7
	Sarun	Chuprah	29·372	29·565	—·013	North-easterly.	139·3	89·5	15th, 16th, July	78·0	18th "	88·9	79·2	83·1	—3·0	86·[illegible]
South Behar.	Shahabad	Dehree	29·201	29·5[illegible]3	—·008	Variable	274·0	93·8	16th "	77·0	17th, 19th, 20th July	89·2	78·2	83·7	—0·3	83·8
		Buxar	29·323	29·564	—·002	E	185·3	92·9	16th "	76·2	18th "	89·5	78·6	81·1	—1·1	84·8
		Arrah	29·369	29·565	—·009	E	95·4	93·0	16th "	78·4	18th "	89·1	79·0	84·2	—1·7	84·3
	Gya	Gya	29·176	29·549	—·049	Calm	85·1	[illegible]	16th "	75·8	17th "	91·3	78·3	84·5	—0·6	87·2
	Patna	Bankipore	29·[illegible]96	29·575	—·007	E	112·3	[illegible]	16th "	77·2	18th, 19th July	89·8	70·3	84·6	—1·2	85·3
	South Bhagulpore, Monghyr	Bhagulpore	29·410	29·572	—·013	E	77	[illegible]	19th "	78·0	14th "	90·1	79·1	84·6	—0·5	85·2
	Sonthal Pergunnahs	Doomka	29·066	—	—	E	102·5	91·1	19th "	75·5	17th "	89·6	77·8	83·7	—	83·0
Chota Nagpore.	Hazaribagh	Hazaribagh	27·587	29·581	—·005	Variable	279·0	89·0	17th "	73·2	17th "	84·0	73·5	78·8	—0·5	77·6
	Lohardugga, Manbhoom	Ranchee	27·458	29·563	—·011	NW	186·5	86·0	17th "	71·0	14th, 18th July	83·8	72·8	*78·3	+0·3	78·2
			28·793	—	—	SW	54·2	93·2	17th "	76·8	20th "	90·3	78·4	84·4	—	85·1
	Singhbhoom	Chyebassa														
Assam.	.....	Sibsagar	29·349	29·682	+·011	SW	65	90·6	14th & 17th July	77·5	18th "	89·2	78·7	83·9	—0·9	82·4
	.....	Dhubri	29·527	29·643	+·024	ENE	135·2	90·7	17th "	73·8	14th "	88·2	75·2	82·2	—1·9	83·4
	.....	Silchar	29·565	29·670	—·015	Calm	60	95·0	20th "	77·2	14th, 15th, 18th July	91·3	78·1	*84·7	+1·1	88·4

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period for the last ten years. The number ... The *humidity* of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The ... of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past ... are the numerical means or average of the rainfall in that district determined from the returns ... A rainy day is one on which at least hundredth of an inch fell. ... stations in the district sending in returns divided by the number of stations.

* Means for six days.

for the week ending Friday, the 20th of July 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of Month. Mean for district.	Since 1st of Month. Normal mean.	Since 1st of Month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
85	8·4	1·97		3·27		7·94			18·15			4·5	Pooree	Pooree	Orissa.
82	6·4	3·96		—	—	—	—	—	—	—	—	—	Gopalpore		
84	9·3	9·16		—	—	—	—	—	—	—	—	—	False Point		
77	8·7	1·43	3·14	3·31	6·16	8·30	−2·14	10·74	20·05	−9·31	6·0	4·0	Cuttack	Cuttack	
81	6·4	2·01	4·76	3·02	7·49	8·05	−0·56	15·39	19·11	−3·72	5·3	4·0	Balasore	Balasore	
84	8·9	1·85	1·93	3·14	4·00	9·44	−5·44	8·07	21·50	−13·43	4·9	4·6	Saugor Island	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
79	4·9	5·41	4·20	2·36	10·13	7·85	+2·28	17·58	19·33	−1·75	5·0	4·0	Midnapore	Midnapore	
83	8·6	2·15	2·14	2·50	9·24	7·10	+2·14	19·00	19·64	−0·55	5·1	4·9	Calcutta	24-Pergunnahs; Howrah; Hooghly	
79	8·6	1·28	1·20	2·22	8·95	6·12	+2·83	17·57	17·64	−0·07	5·0	3·9	Burdwan	Burdwan	
82	7·1	3·55	2·75	2·57	10·05	7·76	+2·29	19·32	19·53	−0·21	5·0	4·3	Bankoora	Bankoora	
82	8·0	1·20	1·58	2·66	7·27	7·66	−0·39	15·80	19·57	−3·77	4·0	4·3	Raneegunge	Beerbhoom; West Burdwan	
84	9·3	0·56	0·85	2·16	6·03	7·11	−1·08	13·64	19·53	−5·89	4·5	3·8	Berhampore	Moorshedabad	
80	7·3	1·43	0·83	1·70	6·90	6·39	+0·51	13·11	19·62	−6·51	4·0	3·8	Krishnaghur	Nuddea	
82	8·1	0·61	1·35	2·36	6·87	6·67	+0·20	14·61	22·38	−7·77	4·0	4·4	Jessore	Jessore; Khoolna	
83	5·1	0·71		6·61		18·45			53·37			5·5	Chittagong	Chittagong	East Bengal.
				3·25		10·60			34·24			5·3	Demagiri	Chittagong Hill Tracts	
86	7·4	1·40	2·24	3·92	10·18	11·18	−1·00	18·76	34·28	−15·52	5·5	5·9	Barrisal	Backergunge	
85	7·7	4·19	2·45	4·92	12·36	14·28	−1·92	20·63	40·30	−19·73	5·0	5·1	Noakholly	Noakholly	
85	4·6	0·29	0·84	2·01	5·57	6·60	−1·08	10·11	23·49	−7·38	3·7	4·3	Furreedpore	Furreedpore	
85	8·7	1·35	1·45	3·16	6·37	8·53	−2·16	20·50	25·47	−4·97	4·5	4·6	Dacca	Dacca	
79	4·7	0·25	0·71	3·05	4·86	8·39	−3·53	23·48	29·27	−5·79	3·0	4·3	Commillah	Commillah	
83	7·9	0·83	0·87	2·46	6·45	7·66	−1·21	33·27	29·25	+4·02	4·4	4·3	Mymensingh	Mymensingh	
79	7·9	0·23	0·92	2·54	5·35	8·12	−2·87	20·40	25·34	−4·94	3·0	3·8	Bogra	Bogra	North Bengal.
85	7·3	0·98	0·62	1·77	6·63	6·56	+0·07	19·05	21·54	−2·49	4·0	3·5	Serajgunge	Pubna	
83	4·7	0·72	1·76	2·56	5·60	8·19	2·59	12·31	21·51	−9·20	5·5	3·8	Rampore Beauleah	Rajshahye	
84	5·6	3·68	2·18	2·12	6·56	8·16	−1·60	10·48	22·84	−12·36	6·5	4·4	Maldah	Maldah	
80	6·7	3·46	2·83	2·19	7·71	8·55	−0·84	20·51	26·76	−6·25	4·6	4·0	Dinagepore	Dinagepore	
82	3·3	1·50	2·78	2·68	7·91	9·59	−1·68	34·25	38·29	−4·04	3·3	3·1	Rungpore	Rungpore	
88	3·4	10·57	7·29	4·09	17·71	13·98	+3·73	54·83	53·75	+1·08	6·0	4·6	Julpigoree	Julpigoree; Cooch Behar	
90	10·0	8·60	8·45	5·62	26·19	22·62	+3·57	51·60	58·47	−6·87	6·5	5·2	Darjeeling	Darjeeling Hill Tracts	
82	4·9	2·8[illegible]	1·65	2·13	12·27	6·97	+5·30	23·2	23·61	−0·36	5·2	3·5	Purneah	Purneah; North Bhagulpore	North Behar.
			2·58	1·97	9·91	7·58	+2·33	16·99	16·42	+0·57	4·7	3·0	Mozufferpore	Mozufferpore	
80	7·6	1·14	1·59	1·74	7·73	7·56	−0·17	16·54	17·06	−0·52	4·3	2·4	Durbhunga	Durbhunga	
76	8·3	1·37	2·04	1·76	7·27	8·05	−0·78	16·98	17·58	−0·60	4·0	2·6	Motihari	Chumparun	
79	6·9	1·47	2·48	1·76	7·59	7·66	−0·07	11·67	15·26	−3·59	4·0	3·1	Chupra	Sarun	
83	5·7	8·07											Dohree		South Behar.
80	8·1	1·80	1·47	1·97	10·42	6·61	+3·81	12·40	12·50	−0·10	4·6	3·3	Buxar	Shahabad	
85	7·1	2·08											Arrah		
72	7·9	2·76	5·10	2·07	8·62	6·90	+1·72	11·44	13·92	−2·48	5·3	3·1	Gya	Gya	
82	9·4	3·77	3·01	1·87	9·73	7·06	+2·67	13·19	14·73	−1·54	5·3	3·3	Bankipore	Patna	
80	4·4	4·54	3·17	1·98	8·41	6·63	+1·78	12·62	15·21	−2·59	6·4	3·7	Bhagulpore	South Bhagulpore; Monghyr	
86	4·6	2·72	3·15	2·41	8·93	7·77	+1·16	15·38	19·15	−3·77	6·0	4·2	Doomka	Sonthal Pergunnahs	Chota Nagpore.
91	10·0	4·74	5·80	2·70	12·34	8·18	+4·16	15·27	18·19	−2·92	6·0	4·6	Hazaribagh	Hazaribagh	
87	9·4	6·22	6·18	2·63	12·45	8·03	+4·42	16·60	17·85	−1·25	6·0	4·6	Ranchi	Lohardugga	
76	8·4	3·73	4·15	2·78	9·12	7·57	+1·55	13·81	17·40	−3·59	6·5	4·8		Manbhoom	
			5·08	3·85	8·56	8·44	+0·12	13·67	19·53	−5·86	6·0	4·7	Chyebassa	Singhbhoom	
91	9·4	2·02											Sibsagar		Assam.
86	7·1	2·95											Dhubri		
77	9·0	2·73											Shillong		

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. Under the head District observations of rainfall the normal means denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional years.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 20th of July 1888.

Meteorological division.	District.	Station.	Rainfall.							Total		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 14th July.	Sunday, 15th July.	Monday, 16th July.	Tuesday, 17th July.	Wednesday, 18th July.	Thursday, 19th July.	Friday, 20th July.	Number of rainy days.	Rainfall of week.				
ORISSA ...	Pooree ...	Pooree ...	...	...	0·20	...	1·22	0·31	0·36	4	2·09	2·83	6·69	9·02	16·15
		Khurdah ...	0·17	0·57	...	0·06	1·20	0·20	0·15	6	2·35	4·53	7·89	9·50	19·50
		Banpur ...	...	...	...	0·50	0·70	0·15					7·73		16·09
		False Point ...	0·07	0·15	3·77	2·43	3·63	0·45	0·02	7	10·51	11·71	9·46	15·57	20·83
		Gop ...				1·40	2·49						?		?
		Pipli ...	...	...	...	...	3·50						?		?
	Cuttack ..	Jagatsingpore											6·44		18·10
		Banki ...	0·29	0·11	...	0·06	1·22	0·24	0·35	6	2·27	8·25	9·12	14·06	21·58
		Cuttack ...	0·04	0·17	...	0·05	4·22	0·32	0·63	6	5·40	7·96	8·28	12·09	22·61
		Kendrapara ...	0·03	...	0·09	0·23	0·84	0·44	0·50	6	2·13	3·32	8·21	9·19	19·07
		Jajpore ...	...	0·19	0·09	0·83	0·26	0·47	0·90	6	2·75	4·99	9·45	10·39	21·86
		Dharmsalla .	0·40	...	4·00	0·83	1·50						?		?
		Saipore ...											?		?
	Balasore ...	Chandbali ...	...	0·40	0·85	...	1·20	...	2·00	4	4·45	6·25	7·07	9·76	17·23
		Bhuddruck ...	0·07	0·06	0·03	1·96	2·17	1·00	0·85	7	6·14	7·74	7·30	15·34	19·29
		Sorah ...	0·34	1·98	...	0·17	2·00	1·72	0·63	6	5·86	7·35	7·13	15·76	17·07
		Balasore ..	0·34	...	...	0·18	0·46	1·15	0·71	5	2·83	5·52	8·65	12·18	19·98
		Jellasore ..	0·25	...	...	...	3·00	...	2·45	3	5·70	9·30	9·52	20·45	20·21
		Baripodah ...	0·05	0·06	...	0·42	0·55	2·24	0·24	6	3·56	8·89	8·62	18·70	20·80
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	0·17	0·26	0·15	0·12	...	1·25	...	5	1·95	3·63	9·08	8·34	20·68
		Saugor Island	0·49	...	...	0·02	...	1·17	0·02	4	1·70	3·73	9·91	7·83	22·41
		Tumlook ..	...	1·10	...	...	1·50	0·50	2·50	4	5·60	10·30	6·90	17·00	13·48
		Midnapore ...	0·48	0·03	...	0·17	1·40	0·80	1·25	6	4·13	12·50	7·12	19·53	18·04
		Ghattal ...	0·34	0·19	...	0·02	...	1·08	1·20	5	2·83	7·56	8·84	16·16	20·87
		Kukrahaty ..	0·58	...	0·68	...	0·19	0·92	2·43	5	4·78	8·90	?	15·33	?
		Hersa ...	0·38	0·28	...	1·05	1·29	0·83	0·13	6	3·96	6·75	?	13·11	?
		Bhagwanpore	0·79	1·41	...	0·83	...	0·53	...	4	3·06	5·81	?	13·31	?
		Garbeta ...	0·60	...	0·22	...	0·50	1·43	0·53	5	3·33	13·83	?	20·79	?
	24-Pergunnahs	Diamond Harbour ...	0·51	...	...	...	...	0·23	1·40	3	2·14	4·59	9·32	8·06	21·41
		Canning Town	0·39	0·24	0·03	...	1·39	0·09	0·80	6	2·94	9·51	?	16·41	?
		Alipore Jail ..	0·26	0·08	0·05	0·32	0·09	0·49	1·02	7	2·29	7·72	7·70	14·53	20·50
		Barrackpore...	0·71	0·17	...	...	...	0·25	1·36	4	2·40	9·30	6·43	19·25	19·21
		Dum-Dum ...	0·24	0·21	0·06	0·14	...	0·30	0·34	6	1·38	6·77	6·63	16·33	19·41
		Baraset ..	0·22	0·25	...	0·18	...	0·29	1·22	5	2·19	11·48	6·14	23·53	18·53
		Buseerhat ...	0·12	0·39	...	...	...	0·22	1·40	4	2·13	9·63	7·39	19·79	22·20
	Howrah ...	Howrah ..	0·10	0·22	...	0·22	0·12	1·06	1·52	6	3·22	8·23	7·06	17·66	19·50
		Mohesreka (*Ooloberiah*.	0·58	0·09	...	...	0·12	0·40	0·34	5	1·53	8·49	8·26	15·33	19·82
	Hooghly ..	Serampore ...	0·52	0·08	...	0·69	...	0·90	1·19	5	3·38	9·55	6·71	19·00	18·58
		Hooghly ...	0·19	0·62	...	0·20	...	0·30	0·22	5	1·53	10·54	6·58	25·36	18·49
		Johanabad ..	0·30	...	...	...	0·10	0·60	0·27	4	1·27	10·64	7·83	21·10	19·98
	Burdwan ...	Culna ..	0·40	0·23	...	0·15	...	0·30	0·24	5	1·32	9·22	6·11	17·54	16·78
		Burdwan ...	0·06	0·33	...	...	...	0·23	0·68	4	1·28	9·74	6·56	10·33	17·69
		Cutwa ...	0·08	0·10	...	0·11	0·07	0·11	0·52	6	0·99	7·88	5·70	18·84	18·42
		Raneegunge ..	0·29	0·09	...	...	0·37	0·08	0·95	5	1·78	11·93	8·20	22·23	18·10
		Mankur ...	...	0·53	...	...	0·78	...	1·31	3	2·62	14·52	?	18·24	?
	Bankoora ...	Bankoora ...	0·80	0·05	...	0·55	1·40	0·80	0·62	6	3·92	8·36	7·91	19·31	19·54
		Bishenpore ...	0·62	...	...	0·34	0·62	0·70	0·30	5	2·58	10·40	7·22	16·66	19·51
		Maliara ...	0·21	...	...	...	0·07	0·10	0·30	4	0·68	8·97	8·20	18·54	18·78
		Khatra ...	0·85	...	...	0·61	0·15	0·61	0·62	5	2·84	11·48	7·70	21·77	20·17
		Indas ...	0·21	...	...	...	...	...	0·75	2	0·96	8·57	?	16·43	?
		Kotalpore ...	0·29	0·30	...	...	...	0·70	0·10	4	1·39	6·39	?	13·81	?
		Anda ...	0·50	...	...	0·06	0·80	1·30	0·15	5	2·81	8·22	?	12·34	?
		Gangajalghati	0·43	...	...	...	0·91	1·07	0·47	4	2·88	10·82	?	20·23	?
		Raipore ...	0·70	0·38	...	0·75	...	0·25	0·45	5	2·62	9·59	?	17·93	?
		Sonamukhi ..	0·05	0·18	...	...	0·33	0·31	0·44	5	1·32	10·47	?	18·30	?
	Beerbhoom ...	Bh. Soory ..	0·09	0·30	...	0·01	...	0·79	0·71	5	1·96	6·33	7·96	13·95	20·61
		Hetampore ...	0·28	...	...	...	0·19	0·22	1·28	4	1·97	5·78	8·31	12·39	21·34
		Rampore Haut	0·42	...	...	...	...	...	0·18	2	0·60	5·02	6·12	14·60	18·14
		Bolpore ..	0·14	0·18	...	...	...	0·22	0·81	4	1·35	6·56	?	14·08	?
		Murarai ..	...	0·19	3·00	...	...	...	0·29	3	3·48	8·83	?	?	?
	Nuddea ...	Ranaghat ..	0·17	0·19	...	0·26	...	...	0·62	4	1·24	10·10	6·32	16·41	18·79
		Kishnaghur ..	0·11	...	...	0·01	...	0·12	0·36	4	0·60	5·08	6·28	13·40	17·80
		Chooadanga ..	...	0·13	0·40	...	...	...	0·40	3	0·93	5·86	6·53	12·14	20·33
		Meherpore ..	0·20	0·10	0·33	0·02	...	0·10	0·14	6	0·89	6·48	6·04	14·03	19·03
		Kooshtea	0·21	0·05	...	...	...	...	0·20	3	0·49	7·04	6·80	9·57	22·16
	Khoolna ..	Satkhira .	0·07	0·28	0·10	0·42	0·02	0·10	0·20	7	1·19	8·90	8·10	14·10	23·56
		Bagirhat ..	...	1·47	...	...	...	0·90	0·37	3	2·74	9·67	8·53	17·37	26·34
		Khoolna ..	0·13	...	0·12	...	...	0·19	0·65	4	1·09	8·78	6·89	14·92	24·61
	Jessore ...	Narail ..	0·16	0·06	...	...	...	...	0·06	3	0·28	4·39	5·46	9·85	19·59
		Jessore ..	0·06	0·09	0·14	0·05	...	0·05	0·39	6	0·78	7·83	6·37	19·47	22·59
		Jhenidah ..	...	0·55	...	...	...	...	...	1	0·55	5·52	6·05	14·03	22·34
		Magoorah ..	0·18	...	0·27	...	...	...	0·46	3	0·91	3·96	6·23	16·01	22·13
		Bongong ..	...	0·54	...	...	1·55	0·35	0·90	4	3·34	5·92	6·39	11·23	19·84
	Moorshedabad	Kandi ..	0·33	0·30	...	...	...	...	0·47	3	1·10	7·78	7·84	16·66	19·95
		Berhampore ..	0·11	...	0·23	...	...	0·02	0·34	4	0·70	5·35	7·09	11·67	19·47
		Lalbagh ...	0·24	0·07	0·15	0·02	...	...	0·74	5	1·27	6·80	6·63	13·49	19·14
		Azimgunge ...	0·09	...	0·11	0·02	...	0·01	0·18	5	0·41	6·23	6·46	14·44	19·30
		Jungipore ...	0·13	0·06	0·03	0·16	...	0·02	0·03	6	0·43	4·79	6·99	12·04	18·72
		Lalgola ..	0·36	0·30	...	0·25	...	0·30	...	4	1·21		7·68		20·55
		Akhrigenj ..	0·13	0·06	...	1·83	0·48	0·25	0·18	6	2·98	8·57	?	17·06	?
		Patkabari ..	...	...	...	0·60	...	...	0·60	2	1·20	5·71	?	18·25	?
EAST BENGAL	Chittagong ...	Cox's Bazar ..	0·44	0·72	0·40	...	...	0·91	2·30	5	4·77	25·75	21·26	50·50	64·07
		Chittagong ..	0·14	...	0·33	...	0·04						12·63		42·62
		Kutubdia ..	0·11	0·52	1·48	0·16							?		?
		Satkanya ..	0·09	0·05	...	0·75							?		?
	Chittagong Hill Tracts.	Rangamati ...	0·30	0·30	0·05	...	1·35	0·07	0·03	7	2·10	5·32	10·77	19·03	34·19
		Ruma ...											9·22		34·26
	Backergunge	Patuakhally .	1·12	0·55	...	...	0·06	0·67	1·27	5	3·67	13·98	13·21	22·86	40·03
		Perozepore ..	0·61	0·28	0·16	...	0·04	0·27	0·50	6	2·16	10·81	9·70	21·21	29·63
		Burrisal ..	0·02	0·47	0·04	...	0·06	0·07	0·31	6	1·57	9·54	9·44	17·28	30·11
		Bhola ..	0·42	0·27	0·42	...	...	0·21	0·25	5	1·57	6·39	12·29	13·70	37·31

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 20th of July 1888—contd..

Meteorological Division.	District.	Station.	Rainfall.							Total.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 14th July.	Sunday, 15th July.	Monday, 16th July.	Tuesday, 17th July.	Wednesday, 18th July.	Thursday, 19th July.	Friday, 20th July.	Number of rainy days.	Rainfall of week.				
EAST BENGAL—concld.		*Gournaddi* ...	...	...	...	1·72	...	...	0·30	2	2·02	9·59	?	19·18	?
		Bauphal ...	0·95	...	...	...	0·19	0·35	2·75	4	4·24	15·40	?	23·35	?
	Noakholly ..	Noakholly ...	1·08	1·62	0·22	...	0·09	0·06	1·07	6	4·14	15·84	14·12	30·13	44·87
		Fenny ...	...	0·20	0·21	...	...	0·15	0·19	4	0·75	9·38	14·43	23·12	47·81
		Harishpore ...	0·04	1·15									?		?
		Ramganj ...	1·90	0·07	0·27	...	...	0·10					?		?
	Furreedpore .	Madaripore ...											6·58		24·47
		Furreedpore...	...	0·12	0·11	...	...	...	...	2	0·23	5·12	6·52	15·62	24·06
		Goalundo ...	0·25	0·10	...	...	...	...	0·14	3	0·49	5·55	6·40	17·09	21·96
	Dacca ...	Munshigunge	0·34	0·50	0·04	...	0·31	0·40	0·12	6	1·80	8·04	9·61	24·24	29·96
		Dacca ...	0·28	0·31	...	...	0·30	0·08	...	4	0·97	3·66	7·73	15·90	25·30
		Naraingunge	0·49	0·72	...	...	0·29	0·26	...	4	1·76	7·96	9·94	24·75	25·88
		Manickgunge	0·79	...	...	0·03	...	0·45	0·02	4	1·29	5·82	6·83	17·11	20·61
		Joydebpore ...	0·14	0·01	0·02	...	0·08	0·06	0·05	6	0·37	3·33	?	23·11	?
	Hill Tipperah	Agartola ...	...	0·35	0·50	...	...	...	...	2	0·85	3·48	6·92	26·62	35·69
	Tipperah ..	Comilla ...	0·07	0·09	...	...	...	0·05	0·03	4	0·24	3·62	9·63	18·22	33·20
		Chandpore ...	0·65	0·41	...	...	0·22	0·20	0·18	5	1·66	8·71	9·75	19·86	31·37
		Brahmunberia	...	...	...	...	...	0·08	...	1	0·08	3·62	7·25	31·21	20·83
		Ramchandrapore,	0·37	...	0·15	...	...	...	0·05	3	0·57	5·97	?	22·45	?
		Nasirnagar...	0·75	...	...	...	...	0·20	...	2	0·95	2·45	?	24·18	?
		Daudkandi ...	1·05	0·23	...	...	...	...	...	2	1·28	8·67	?	22·13	?
		Kasba ...	...	...	...	...	...	...	...	Nil	Nil	8·45	?	26·66	?
		Laksham ...	...	0·85	0·15	...	...	0·10	0·35	4	1·45	6·30	?	17·72	?
	Mymensingh	Kishoregunge	0·21	...	...	...	0·16	0·09	0·08	4	0·44	5·30	7·90	45·25	31·86
		Atia (*Tangail*)	0·11	...	...	...	...	...	0·49	2	0·60	5·21	6·71	15·56	23·40
		Mymensingh	0·08	0·20	0·05	...	0·35	0·15	0·11	6	0·94	5·09	8·25	32·77	31·19
		Jamalpore ...	...	0·19	0·09	...	0·12	0·22	0·03	5	0·65	5·24	7·14	29·51	26·38
		Netrokona ...	0·45	0·72	...	...	0·28	0·15	0·14	5	1·74	11·33	8·29	43·26	31·27
		Subornakhally	0·02	0·10	...	...	...	...	...	2	0·12	6·80	?	28·76	?
		Durgapore ..	0·50	...	...	...	1·00						?		-
		Dewanganj ...	0·12	...	0·24	0·63	0·09	1·35					?		?
NORTH BENGAL.	Pubna ..	Pubna ...	0·03	0·17	0·03	...	...	0·14	0·10	5	0·47	6·84	6·34	15·52	20·90
		Serajgunge ...	0·06	0·49	...	...	...	0·21	...	3	0·76	6·41	6·76	22·56	22·12
	Bogra ...	Sherpore ...	0·17	...	...	...	...	0·05	...	2	0·22	4·17	8·19	14·47	25·15
		Nowkhilla ...	...	0·43	0·30	...	...	0·30	...	3	1·03	6·78	6·52	25·97	23·18
		Bogra ...	0·04	...	...	...	...	...	0·22	2	0·26	3·98	8·96	18·70	26·10
		Panchbibi ...	0·49	...	0·24	1·15	...	0·13	0·15	5	2·16	6·53	8·78	22·31	24·87
	Rajshahye .	Beauleah ...	0·25	0·07	0·01	0·15	0·05	0·04	0·06	7	0·63	2·25	8·20	6·34	20·97
		Nattore ...	0·25	0·73	...	0·80	...	...	0·30	4	2·08	8·95	8·17	18·6	22·01
		Naogaon ...	0·13	...	...	0·23	...	...	...	2	0·36	3·23	?	11·02	?
		Lalpore ...	...	...	...	0·28	...	0·08	0·30	3	0·66	3·27	?	9·65	?
		Mandá ...	0·77	...	...	...	...	...	...	1	0·77	3·16	?	8·09	?
	Maldah ...	Maldah ...	0·20	0·12	0·17	2·98	0·05	0·03	0·13	7	3·68	9·37	8·20	11·09	21·88
		Chanchal ...	0·09	0·05	...	0·63	0·18	0·19	0·14	6	1·28	3·75	8·12	8·94	23·80
		Gajol ...	0·70	...	...	2·00	...	0·70	0·40	4	3·80	7·00	?	12·09	?
		Sibganj ...	0·70	0·07	...	1·20	...	2·00	0·13	5	4·10	10·31	?	16·12	
	Dinagepore ...	Mohadebpore	...	2·30	...	0·18	...	...	0·22	3	2·70	6·26	8·00	13·44	25·23
		Churamon ...	0·19	0·04	...	2·02	0·14	...	0·15	5	2·54	6·54	8·34	13·21	24·96
		Raigunge ...	0·17	0·33	...	2·80	0·45	0·31	0·05	6	4·11	11·48	8·44	24·10	27·58
		Dinagepore .	0·13	...	0·98	2·42	0·15	...	0·06	5	3·74	9·01	8·85	31·59	30·35
		Baloorghat	0·14	0·02	...	0·62	...	...	0·26	4	1·04	5·40	9·12	20·14	26·15
		Thakoorgoan	0·38	...	1·37	3·87	...	...	...	3	5·62	11·49	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	0·09	...	...	...	...	...	...	1	0·09	4·64	7·21	25·41	28·68
		Rungpore ...	...	...	1·55	0·35	...	...	0·08	3	1·98	6·82	11·83	28·72	38·31
		Kurigram ...	0·29	...	...	1·35	2·61	...	0·42	4	4·67	9·98	9·19	47·02	41·09
		Bagdogra (*Nilphamari*).	0·23	...	1·24	2·14	0·50	...	0·20	5	4·41	10·19	10·12	34·91	45·14
		Ulipore ...	...	0·48	...	...	...	...	...	1	0·48	5·32	?	30·98	?
	Julpigoree ...	Julpigoree ...	0·35	0·47	3·48	5·88	...	0·45	0·95	6	11·58	29·29	19·30	62·24	55·45
		Alipore Doar	0·20	0·27	0·32	3·90	0·23	1·00	0·32	7	6·23	13·40	?	50·68	?
		Fallacotta ...	0·20	0·55	0·77	7·64	0·44	3·40	...	6	13·00	22·38	?	56·16	?
		Debiganj ...	0·08	0·02	0·59	1·58	0·05	...	0·17	6	2·49	10·06	?	42·51	?
	Cooch Behar..	Dinhatta ...	1·25	...	0·15	0·54	0·30	0·41	0·98	6	3·72	11·07	9·07	54·97	46·82
		Cooch Behar..	0·23	...	0·15	3·05	2·80	1·42	0·54	6	8·19	17·49	14·00	59·77	60·32
		Mekligunge...	0·77	...	0·04	7·10	0·17	0·14	0·69	6	8·91	17·64	12·66	51·46	49·48
		Matabhanga ..	0·16	...	0·05	2·90	0·08	0·10	0·78	6	4·07	13·07	14·14	43·38	56·65
	Darjeeling Hill.	Buxa ...	0·10	2·32	5·40	6·30	0·16	0·40	0·05	7	14·73	35·32	35·88	86·50	91·78
		Silliguri ...	1·49	0·17	0·31	0·72	...	1·80	0·45	6	4·44	21·39	19·05	49·53	52·71
		Darjeeling ...	1·32	1·95	0·06	1·52	0·01	1·94	2·19	7	8·09	27·62	20·38	39·78	45·89
		Kalimpong ...	1·18	0·83	...	0·81	0·02	1·82	1·88	6	6·54	20·43	15·10	30·27	37·42
NORTH BEHAR	Purneah ..	Kissengunge..	0·10	0·31	0·25	2·25	...	0·27	0·08	6	3·26	12·45	11·33	24·20	30·82
		Arrareah ...	0·90	...	0·10	1·52	1·06	0·39	0·04	5	4·01	13·33	10·51	27·27	26·74
		Purneah ..	0·05	0·15	...	2·00	0·46	0·19	...	5	2·85	12·43	8·80	18·32	23·34
		Gondwara ...	0·35										?		?
		Balarampore	0·08	0·40	...	2·77	...	...	...	3	3·25	12·38	?	?	?
		Matiari ...	...	...	1·00	0·25	1·00	...	0·40	4	2·65	12·46	?	21·43	?
		Kaliaganj ...	0·70	0·05	1·23	1·46	0·08	...	0·07	6	3·53	14·37	?	33·68	?
	North Bhagulpore.	Maddapore ...	0·04	...	...	2·96	3·35	0·42	..	4	6·77	10·63	7·51	21·8	18·68
		Soopool ..	0·25	...	...	2·15	1·35	2·55	0·26	5	6·36	12·53	6·69	20·76	18·39
		Protabganj ...	0·24	2·00	0·40	...	0·87	...	0·52	5	4·03	12·43	?	20·91	?
	Durbhunga ..	Tajpore ...	0·08	0·13	...	0·34	1·14	0·52	0·03	6	2·24	7·43	7·95	13·80	16·69
		Durbhunga ...	...	...	...	0·14	0·20	0·20	...	3	0·54	4·47	7·69	14·25	17·06
		Madhubani ...	...	...	...	0·25	1·18	0·54	0·01	4	1·98	11·27	7·04	21·57	17·41
		Bahera ...	0·20	...	...	1·80	1·20	0·60		4	3·80	10·70	?	20·48	?
		Roshera ...	0·70	...	...	1·66	0·47	0·24	...	4	3·07	5·92	?	16·26	?
	Mozufferpore	Sitamarhi ...	...	...	...	...	0·75	1·10	...	2	1·85	10·95	7·36	18·68	16·90
		Mozufferpore	0·03	...	1·05	0·10	2·03	0·35	0·30	6	3·86	11·09	7·96	20·3	17·03
		Hajipore ...	0·23	...	0·05	0·06	0·60	0·59	0·50	6	2·03	7·08	7·42	15·06	15·35
		Paru ...	...	...	...	...	0·80	1·00	...	2	1·80	4·77	?	10·63	?
		Mahua ...	...	...	...	...	1·10	0·12	...	2	1·22	5·44	?	7·24	?
		Sunar ...	...	...	...	...	0·05	...	...	1	0·95	3·80	?	10·42	?
		Pupri ...	...	...	...	...	...	0·80	...	1	0·80	7·96	?	16·78	?
	Chumparun ..	Motihari ...	...	...	...	...	0·77	0·15	0·08	3	1·00	5·15	7·22	14·83	16·52
		Bettiah ...	0·04	...	...	1·32	1·00	1·06	0·86	5	4·88	9·38	9·43	19·08	18·35
		Bagaha ...	...	...	...	0·42	0·85	2·43	1·18	4	4·88	8·16	?	25·07	?
		Burhurwa ...	...	0·18	...	0·28	1·30	0·20	0·32	5	2·28	6·27	?	14·80	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 20th of July 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 14th July.	Sunday, 15th July.	Monday, 16th July.	Tuesday, 17th July.	Wednesday, 18th July.	Thursday, 19th July.	Friday, 20th July.	Total. Number of rainy days.	Rainfall of week.	Total rain fall since 1st of month	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR —*concluded.*	Sarun	Gopalgunge ...	......	. ..	..	0·67	0·55	0·65	0·43	4	2·30	6·51	8·34	12·10	16·14
		Sewan ..	... .		0·24	1·23	0·69	0·44	0·90	5	3·50	7·31	7·41	10·85	15·48
		Chuprah ..	.. ..	. . ..	... .	0·98	0·37	... ..	0·32	3	1·65	8·93	7·22	12·08	14·25
SOUTH BEHAR	Shahabad	Buxar	. . .	......	0·01	0·02	1·65	... ..	0·12	4	2·40	7·35	6·15	10·94	11·75
		Dehree ..	0·04	0·03	0·90	1·40	2·74	0·04	2·67	7	7·91	13·63	6·81	16·00	11·92
		Bhuboosh ...	..	.		. .	1·80	..	0·00	2	2·40	10·17	7·51	12·04	13·37
		Sasseram ...	0·12	.	0·10	..	2·90	0·13	1·80	5	5·05	9·39	6·12	10·34	11·96
		Arrah .	...	.	0·70	1·45	0·18	0·30	1·97	5	4·60	11·34	6·47	12·03	13·59
		Mohania ...	..	.	... ..	... .	2·70	0·20	... .	2	2·90	7·43	?	10·63	?
	Gya ..	Aurungabad...	0·35	... ..	0·78	0·48	3·35	0·88	0·68	6	11·52	15·95	7·12	19·08	14·24
		Gya ..	0·17	.. .	0·32	0·94	0·82	0·08	0·07	6	2·39	5·70	6·41	8·99	13·98
		Nowadah ...	...	...	2·32	0·08	0·25	0·19	0·36	5	4·10	5·67	6·70	7·53	13·65
		Jehanabad ...		. .	1·48	0·02	0·31		0·58	4	2·37	7·12	7·33	10·10	13·73
		Arwal ...	..	..	2·13	..	.....	0·14	0·53	3	2·80	7·28	?	9·55	?
		Daudnagar ..	0·50	.	1·00	..	5·16	... ..	. ...	3	6·66	10·83	?	11·53	?
		Sherrghatti ...	0·20	..	. . ..	1·14	1·34	... ..	0·80	4	3·48	7·20	?	7·40	?
		Rajauli ..											?		?
		Pakri barawan	...	...	0·87	0·03	0·15	.....	......	3	1·05	5·10	?	6·40	?
	Patna ...	Patna .	0·08	... ..	0·40	0·45	2·21	0·08	0·28	6	3·53	9·12	6·89	12·74	15·34
		Dinapore ..		.	0·70		2·44	..	0·60	3	3·74	11·62	6·61	17·18	14·10
		Behar ...	1·05	.	0·10	0·10	0·15	1·51	0·05	6	2·96	12·17	7·10	14·24	15·04
		Barrh ..	0·05	0·10	0·10	0·30	1·10		0·15	6	1·80	6·00	7·64	8·60	14·14
		Bickram ...	. ..	..		..	..	0·60	0·50	2	1·10	6·65		8·15	?
		Hilsa ...	0·30	... ..	0·10	. ...	0·09	......	0·03	4	0·52	7·38	?	10·56	?
	Monghyr	Begooserai ..	0·17	.	0·06	0·72	1·41	0·44	0·09	6	2·82	5·61	6·75	8·80	14·46
		Monghyr .	0·17	0·11	0·03	0·24	0·81	2·37	0·03	7	3·75	11·81	7·02	16·01	15·25
		Jamui ...	0·14	0·63	..	2·11	0·25	0·45	0·14		3·72	7·10	6·91	11·64	14·80
		Gogri ...	0·42	0·23	. .	0·60	1·45	0·30	..	5	3·00	13·27	?	18·79	?
		Sheikpura ...	0·08		.	1·30	0·50	. .	. .	3	1·88	9·60	?	13·90	?
	South Bhagulpore	Bhagulpore ...	0·27	0·11	1·19	1·65	0·80	0·38	.. ..	6	4·18	12·59	6·00	18·59	15·35
		Banka ...	0·04	0·10	0·42	0·49	0·95	0·11	0·49	7	2·60	4·94	6·50	8·02	16·19
		Kolgong ..	0·04	... .	2·35	0·47	.	0·27	... ..	4	3·14	9·27	?	17·95	?
	Sonthal Pergunnahs	Rajmehal ...	0·12	.. .	0·58	1·13	...	0·78	0·24	5	2·85	7·30	8·50	11·97	21·96
		Godda ...	0·05	0·02		0·08	0·12	0·41	0·10	6	0·78	5·51	6·60	14·24	15·82
		Pakour .	0·32	0·1?	0·85	2·95	....	0·08	0·12	6	4·44	12·34	8·39	19·94	21·96
		Nya Doomka	0·09	0·10	0·03	1·77	... .	0·32	0·35	6	2·66	6·96	7·68	12·10	18·80
		Deoghur ..	0·24	0·06	0·07	1·86	0·03	2·37	0·23	7	4·86	11·95	7·85	17·36	18·26
		Jamtara .	1·45	0·10	0·09	1·38	.	0·55	0·71	6	3·28	9·44	7·34	17·47	18·11
		Mahagama ...		0·45	1·12	0·28	......	0·05		4	1·90	8·81	?	?	?
		Nanihat ...	.....	... ..	..	. .	0·25	0·20	0·27	3	0·72	4·75	?	10·61	?
CHUTIA NAGPUR.	Hazaribagh ..	Pachamba (*Giridi*).	0·48	0·21	1·02	0·15	2·33	0·05	0·44	7	4·68	8·69	7·23	13·44	16·98
		Hazaribagh .	0·11	0·26	0·40	1·45	1·96	0·08	0·67	7	4·93	14·59	8·15	16·04	16·81
		Semtagurah	0·15	0·95	3·20	0·72	0·10	1·12	0·44	7	6·68	14·35	7·43	15·40	17·37
		Mahudi Hills											7·?1		16·20
		Jhoomrah Hills											11·27		23·54
		Barhi ...	... .	... ..	... ..	1·27	1·60	1·65	0·50	4	5·02	14·15	?	15·98	?
		Chatra ...	0·20	.. .	.. .	1·62	4·77	0·31	0·80	5	7·70	17·85	?	20·59	?
		Karagdeha ...	0·70	. ..	0·30		1·50	1·10	0·34	5	3·94	11·84	?	16·38	?
		Ramghur ..	... .	0·40	......	1·50	0·45	0·40	0·90	5	3·65	8·41	?	12·5?	?
	Lohardugga.	Lohardugga..	0·19	0·03	0·02	0·24	2·17	0·05	1·44	7	4·14	9·83	8·26	13·78	19·97
		Ranchi ...	0·40	0·47	0·06	.	5·60	0·77	2·65	6	9·95	13·23			
		Palamow ..	0·33	... .	... ..	0·25	1·07	0·55	1·65	5	4·45	12·27	8·32	20·00	19·00
		Silli ...			......	2·60							7·51	15·98	14·60
		Balumat ...											?		?
		Hossenabad .	..	0·01		0·01	0·03		.	3	0·05		?		?
		Garwah ..		0·18	1·30	1·03	1·16						?		?
	Singhbhoom ..	Chyebassa	0·09	0·92	. ..	0·50	0·04	0·63	3·50	6	5·68	8·56	6·44	13·67	[illegible]
		Chakradharpore.	1·09	1·08	..	0·15	0·34	0·95	5·29	6	9·40	16·82	?	21·49	[illegible]
		Ghatsilla ..	0·18	0·10		..	0·15	4·40					?		?
		Baharagura .	0·32	.	.	...	1·22	4·37	2·40	4	8·51	14·37	?	20·82	?
	Manbhoom ..	Purulia .	0·31	0·16	0·09	..	1·85	0·98	1·40	6	4·70	12·21	7·90	17·39	18·67
		Govindpore ..	0·22	0·23	1·15	0·91	0·28	0·33	0·39	7	3·01	6·60	7·24	10·21	16·09
		Raghunathpore.	0·40	0·38	0·45		3·12	0·65	0·75	6	5·84	10·13	?.	14·08	
		Barrabhoom ..	0·30	0·23	0·30	1·50	3·05	1·50	1·90	7	8·80	13·08	?	17·93	?
		Jhalda ..											?		?
		Chas ...											?		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 24*th July* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 20TH OF JULY 1888.

At the close of the previous week a small cyclonic storm which had formed in the northern half of the Bay, and which had existed off the South Orissa coast for two or three days, was passing inland, and was advancing in a west-north-westerly direction towards the eastern districts of the Central Provinces and into the south of Chutia Nagpur. The centre of the small storm had crossed the coast on the afternoon of the 13th, and by the morning of the 14th the centre was apparently well to the west of Cuttack. During the following 24 hours the depression advanced rapidly into Bundelkund, and was much more feeble, and on this day the cyclonic circulation of winds had become decidedly irregular. With the advance of the storm inland a strong monsoon current set in over the coasts of Bengal and Orissa, and good general rain was received, the rainfall being decidedly heavy in many instances.

On the 15th a steady south-easterly and easterly monsoon current was reported over the whole province, but on the 16th the westerly winds blowing across Central India decidedly increased in force, and westerly and south-westerly winds partly drove back the south-easterly current previously obtaining, causing a considerable amount of interaction in the west of the province, and in addition a slight circulation of winds was set up over Central Behar, which gave rise to general heavy rainfall in all the western districts On the 17th conditions were unchanged, but on the 18th they became distinctly disturbed over the west of the province, and a feeble low-pressure area was developed which stretched from the north-west angle of the Bay through West Bengal into Chutia Nagpur and Behar. To the west of this area northerly winds obtained, and to the east southerly and south-easterly winds, showing a distinct tendency to cyclonic circulation. These conditions still further developed during this day, and on the morning of the 19th a distinct barometric depression had formed over part of South-West Bengal and the head of the Bay, the centre of the depression being close to the Sunderbuns and to the south-east of Saugor Island. The small storm was accompanied by a very distinct cyclonic circulation of winds, but the wind force was not large at the coast stations though probably over the greater part of the northern half of the Bay squally weather and strong winds obtained. During the afternoon of the 18th the small storm advanced over the land in a north-westerly direction, the centre passing close to Saugor Island between 2 and 4 P.M., and on the morning of the 19th the centre was near Midnapore and slightly to the west of it. With the inland advance of the storm, winds strengthened largely at the head of the Bay, and a particularly strong monsoon current commenced to blow at the coast stations, bringing up decidedly heavy rain to the south-western and western districts.

The general meteorological conditions over the province during the week have therefore been favourable for general rainfall, particularly in the western and south-western districts, though not to the same extent in the eastern and south-eastern districts; and, generally speaking, the following districts have received heavy general rain, viz., Chutia Nagpur, Orissa, Behar, and North Bengal, while rainfall, though general, has not been very heavy in East and parts of South-West Bengal.

Pressure.—The changes of pressure during the week have not been of much importance except in those cases where they have been brought about by the two barometric depressions alluded to previously. Pressure has generally been below the normal for the period, the defects being largest in the south-western districts, where Calcutta and Burdwan show a defect of 0·016 inch, and False Point one of 0·043 inch. On the other hand, the defects in the south-east and north of the province only amount to a few thousandths of an inch. Generally over the whole province of Bengal pressure has been below the normal by 0·022 inch. In Assam the mean pressure has been in excess of the normal by 0·007 inch.

Temperature.—Owing to the general and heavy rainfall over the greater part of the province the mean temperature has generally been below the normal. In East and South-West Bengal, where the falls have not been so heavy as in other districts, temperature has been in excess of the normal by about 1°, but in North Bengal, North and South Behar and Chutia Nagpur, temperature has been in defect by amounts varying up to 1°, and in Orissa temperature has been exactly normal. Over the whole province, therefore, the general temperature has almost equalled the normal. In Assam temperature has been in defect by 0·6°.

Rainfall.—The heaviest falls have occurred in Chutia Nagpur, the stations in which have averaged 5·15 inches during the week. In Orissa an average fall of 4·10 inches is reported, while in North Bengal and North and South Behar the falls have averaged between three and four inches, and in South-West and East Bengal the falls have averaged between one and two inches. In the last two districts the falls have been in defect by more than fifty per cent. of the normal, but in all other districts very considerable excess falls are registered.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 20th of July 1888 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week. Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.	Of week. Average.	Normal average.	Variation.	Rainy days. Average number in week.	Normal average number in week.	Variation.	Since 1st of month. Average.	Normal average.	Since 15th May. Average.	Normal average.
Orissa	95·4	74·1	87·6	79·0	83 3	.. ..	4 10	3·18	+0 92	5·4	4 1	+1 3	6 63	8·10	10·96	19·17
South-West Bengal ...	95·1	77 3	91 0	79·5	85·2	+0·9	1·75	3 38	—1·63	4·5	4·3	+0·2	7·79	7·19	15 70	20·04
East Bengal	91·3	76·0*	88·4*	78·8*	83 4*	+1·1*	1 40	3·40	—2·00	3·9	5·0	—1·1	7·95	9 84	23·40	32·33
North Bengal	96 9	69·8	90·5	78·1	84·5	—0·5	3·10	2·84	+0·26	4·6	4·0	+0·6	9·08	9·55	28·18	32·86
North Behar	94·2	75·6	89·6	78·9	84·3	—1·0	3·06	2·00	+1·06	4·6	3·0	+1·6	9·46	8 08	17·83	18·70
South Behar	95·5	75·5	89 8	78·6	84·2	+0 9	3·80	2·09	+1·71	5·5	3 6	+1·9	9·19	7·03	13 12	15·42
Chr tia Nagpur	89 0†	71 9†	83·9†	73·2†	78 6†	—0·1†	5·15	2·80	+2 35	5·8	4 6	+1·2	11·11	8·09	14·70	18 04
Assam	95·0	75 8	88 9	78 3	83·6	—0 6										

* Commilla not included.
† Chyebassa not included.

Meteorological Office, Bengal ;
The 24th July 1888.

A. Pedler,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 15th to 21st July 1888.

Month.	Date	Temperature. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Hygrometry. Vapour tension.	Dew point.	Humidity.	Rain
1888.		°	°	°	°	°	Inches.	°	%	Inches.
July ...	15th ...	82 2	89 0	10 4	78·6	80 2	1·005	79·4	91	0 14
" ...	16th ...	85·1	95 5	16 2	79·8	82 9	1·096	82 1	90	...
" ...	17th ...	86 0	93 0	11·2	81 8	82 6	1·070	81·3	86	0 09
" ..	18th ...	85 7	94·5	15 7	78·8	81·5	1·019	79 8	82	0·04
" ...	19th ...	84·9	91·2	10 4	80 5	81·4	1 026	80 0	85	0 80
" ...	20th ..	81·8	85 9	6 6	79 3	81 0	1·049	80 7	97	2·04
" ...	21st ...	78 6	82·1	5 3	76·8	76 7	·894	75 8	91	0 09

The mean temperature of the seven days	...	...	...	83·5°
The extreme variation of temperature	...	...	...	18·7
The maximum temperature	...	...	...	95·5
The mean relative humidity	...	...	...	89 %
The total fall of rain from 15th to 21st July 1888		...	...	3·20 Inches.

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Meteorological Office, India ;
The 23rd July 1888.

A. Pedler,
For Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 15th to 21st July 1888.

Month.	Date	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Due point.	Humidity.	Prevailing direction.	Miles recorded.		
1888		°		Inches	°	°	°	°	°	Inches	°	%			Inches	
July	15th	150 7	4 9	29 561	83 4	88 3	10 1	78·2	80 5	1·004	79·4	88	SE by E and S	113	00 5	Chiefly cloudy, o, t, d, ⌓.
„	16th	152 5	9 3	·543	85 7	92 5	13 9	78 6	81 7	1·032	80 2	84	S and SSW	81	0 04	Chiefly cloudy, o, t, d, ⌓.
„	17th	150 8	6 7	·503	85 6	91 3	10 5	80 8	81 7	1 034	80 3	84	SSE and variable ...	84	0 39	Chiefly cloudy, o, d, p, t, <, ⌓
„	18th	152·6	7 8	·473	85 0	92 5	14 3	78 2	81 1	1 019	79 8	84	SSE and E ..	61	0 19	Chiefly cloudy, o, t, g, p.
„	19th	153 5	5 7	·426	84 2	90 5	10 6	79 9	81 2	1 025	80 0	87	SE by S and NE ..	113	0 95	Chiefly cloudy, o, g, t, p, d, ⌓.
„	20th	150 2	1 0	·436	82 0	84 5	5 8	78 7	79 5	0·979	78 6	89	SE and SSW	127	0 67	Cloudy, o, g, d, p, t.
	21st	122 1	Nil	·574	79 9	81 7	5 3	76 4	77 5	·913	76 4	89	SW and SE by S ..	172	0 11	Cloudy, o, g, d

	Inches.
The mean pressure of the seven days	29·502
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·509
	Hours.
The total number of hours of bright sunshine	35·4
The maximum possible number of hours of sunshine	93·2
	°
The mean temperature of the seven days	83 7
The average temperature of the corresponding period for 24 years, S. G.'s Office ...	83·5
The extreme variation of temperature	16·1
The maximum temperature	92 5
	Miles.
The highest velocity of the wind in one hour	24
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	86
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	86
	Inches.
The total fall of rain from 15th to 21st July 1888	2 40
The average fall of the corresponding period for 24 years, S. G.'s Office ...	2·53
The total fall from 1st January to 21st July 1888	23 83
The average fall of the corresponding period for 24 years, S. G.'s Office .	29·61

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, < lightning, ⌓ dew.

A. Pedler,
For Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 23rd July 1888.

MEMORANDUM.

During the week ending 7th July 1888, births and deaths were registered in the principal Municipalities in Bengal at the rates, respectively, of 18·2 and 19·9 per 1,000 of population, against 17·6 and 24·2 per 1,000, respectively, during the preceding week ending 30th June, indicating a large decrease in the registration of deaths.

2. The following Municipalities returned the highest proportions of births and deaths :—

Births.	Ratio per *mille.*	*Deaths.*	Ratio per *mille.*
Monghyr	46·1	Serampore	33·4
Gya	30·1	Burdwan	27·5
Midnapore	29·4	Gya	27·3

3. From the figures in the following table, it appears that during the week under notice the mortality from fever and the maladies recorded under the head of "Other causes" had diminished noticeably, and that the casualties from the rest of the death-causes exhibit only very small differences :—

	Ratio per *mille* during the weeks ending— 7th July 1888.	30th June 1888.
Cholera	2·7	2·9
Small-pox	·1	·2
Fever	7·4	9·5
Bowel-complaints	1·9	2·4
Injury	1·0	·4
Other causes	6·8	8·8

4. The suffering from cholera, injury and "Other causes" was greatest in the under-mentioned Municipalities, the other diseases exhibiting no special local severity :—

Cholera.	Ratio per *mille.*	*Injury.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Chupra	9·8	Dacca	6·5	Gya	15·0
Patna	7·1	Patna	1·9	Serampore	13·7
Dacca	4·5			Puri	12·6
Suburbs of Calcutta ...	3·5			Midnapore	10·8
Gya	2·7				

5. The death-rates under the heads of *Sex, Class* and *Age* stood as follows :—

According to Sex.

	Ratio per *mille.*
Males	20·3
Females	19·6
Ratio of male deaths to every 100 female deaths	117

According to Class.

	Ratio per *mille.*
Christians	21·7
Hindus	20·1
Mahomedans ...	19·8

According to Age.

	Ratio per *mille.*
Under 1 year ...	201·1
1 and under 5 years ...	37·4
5 " 10 " ...	12·7
10 " 15 " ...	8·6
15 " 20 " ...	13·6
20 " 30 " ...	8·4
30 " 40 " ...	14·8
40 " 50 " ...	12·6
50 " 60 " ...	14·7
60 years and upwards ...	36·8

R. Liddbrdale, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

The 23*rd July* 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 7th July 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
Districts.	Names of Municipalities.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	8	6	14	12·3	9·1	21·4	133	2		6	5		5	18	3·0	...	9·2	7·6	...	7·6	27·5	32·0	7	11	20·2	35·7	63
Midnapore ...	Midnapore ...	16,927	16,633	33,560	7	12	19	10·8	18·6	29·4	58		...	4	2		7	13	...		6·2	3·1	.	10·8	20·1	7·7	4	9	12·3	28·1	44
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	5	6	11	6·7	8·1	14·8	83	.	.	5	1	1		7	...	...	6·7	1·3	1·3	...	9·4	6·7	2	5	5·4	13·3	40
Serampore ...	Serampore ...	13,559	12,937	26,496	8	6	14	15·6	11·8	27·5	133	1	...	6	3	..	7	17	1·9	...	11·8	5·9		13·7	33·4	25·5	10	7	38·4	28·1	142
	Utterpara ...	3,046	2,464	5,510	...	1	1	...	9·4	9·4	No male birth	..	...	..	1	1	..	2	...	...		9·4	9·4	.	18·9	28·3	1	1	17·0	21·1	100
Howrah ...	Howrah ...	53,153	37,660	90,813	21	13	34	12·0	7·4	19·5	161	2	..	8	..	...	7	17	1·1	...	4·6	...	...	4·0	9·7	16·6	11	6	10·8	8·3	183
	Bali ...	7,836	6,979	14,815	2	3	5	7·0	10·5	17·5	66	1		2				3	3·5	...	7·0	.	...	.	10·5	17·5	2	1	13·3	7·5	200
24-Pergunnahs ..	Suburbs of Calcutta ...	147,205	104,234	251,439	42	31	73	8·7	6·4	15·1	135	17		42	26	4	39	118	3·5	..	8·7	3·3	·8	8·1	24·4	28·3	66	52	23·3	25·9	126
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	...	...	...	..	..			.	.	3		1	3	7	...	...	5·6	..	1·9	5·6	13·2	5·6	4	3	15·7	11·0	133
	Ranaghat ...	4,028	4,655	8,683	...	...	...			..	..	.	.			1	...	1	...	...	...	..	6·0	...	6·0	......	1	...	12·9	...	No female death.
	Santipore ...	13,708	15,979	29,687	1	1	2	1·7	1·7	3·3	100	.	.	...		..	1	1		...		...	...	1·7	1·7	8·8	...	1	...	3·2	No male death.
Jessore ...	Jessore ...	4,830	3,665	8,495	1		1	6·1		6·1	No female birth	...	..	..		..			..	...	...	...	...	...	...	12·2	...	...	...	...	......
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	4	3	7	10·5	7·9	18·4	133			5	..	...	1	6	.	...	13·1	...	...	2·6	15·8	23·9	5	1	24·2	5·3	500
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	2	2	4	13·0	13·0	26·1	100		..	1	1			2		..	6·5	6·5	...		13·0	45·6	...	2	...	35·3	No male death.
Dacca ...	Dacca ...	42,782	37,379	80,161	16	12	28	10·4	7·8	18·2	133	7	.	6	3	10	11	37	4·5	..	3·9	1·9	6·5	7·1	24·0	23·3	25	12	30·4	16·7	208
	Narainganj ...	7,605	4,956	12,561	3	..	3	12·4		12·4	No female birth		.	1			1	2	...	..	4·1	.	...	4·1	8·3	20·7	2	...	13·7	...	No female death.
Chittagong ...	Chittagong ...	13,340	8,790	22,130	1	1	2	2·3	2·3	4·7	100	1		2	1	..	1	5	2·3	...	4·7	2·3	..	2·3	11·7	4·7	3	2	11·7	11·8	150
Tipperah ...	Comillah ...	8,153	5,353	13,506	1	5	6	3·8	19·2	23·1	20		.	4	..	.	3	7			15·4	..	...	11·5	27·0	46·2	3	4	19·1	38·8	75
Patna ...	Patna City ...	78,762	81,475	160,237	20	18	38	6·5	5·8	12·3	111	23	1	27	5	6	22	83	7·1	·3	8·8	1·6	1·9	7·1	26·9	25·0	40	43	26·4	27·4	93
Gya ...	Gya ...	38,290	37,831	76,121	26	18	44	17·8	12·3	30·1	144	4	.	13	..	1	22	40	2·7	.	8·9		·7	15·0	27·3	60·8	22	18	29·9	24·7	122
Shahabad ...	Arrah ...	20,960	22,505	43,465	7	5	12	6·4	6·0	14·4	140			7	1		2	10		.	8·4	1·2		2·4	12·0	16·7	5	5	12·4	11·6	100
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	8	8	16	9·7	9·7	19·5	100	2		4	1	.	6	13	2·4	.	4·9	1·2	...	7·3	15·8	13·4	8	5	19·0	13·2	160
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	19	14	33	14·9	11·0	26·0	135			9	1		10	20		...	7·1	·8	.	7·8	15·7	20·5	9	11	13·9	17·7	81
Sarun ...	Chupra ...	26,044	27,205	53,249	...	3	3		2·9	2·9	No male birth	10		1		...	3	14	9·8	...	1·0	...	...	2·9	13·7	18·6	11	3	22·0	5·7	366
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	18	11	29	16·3	9·9	26·2	163		1	17	1	...	6	25		·9	15·4	·9	...	5·4	22·6	29·8	14	11	21·6	20·6	127
Monghyr ...	Monghyr ...	28,154	29,366	57,520	28	23	51	25·3	20·8	46·1	121	.		10	3	1	10	24	...	..	9·0	2·7	·9	9·0	21·7	27·1	9	15	16·6	26·6	60
Purneah ...	Purneah ...	8,463	6,553	15,016	2	2	4	6·9	6·9	13·9	100		.	4		...		4	..		13·9	..	.	...	13·9	10·4	2	2	12·3	15·9	100
Puri ...	Puri ...	13,247	11,537	24,784	5	3	8	10·5	6·3	16·8	166			2	3		6	11	..	...	4·3	6·3	...	12·6	23·1	25·2	8	3	31·4	13·5	266
	TOTAL ...	712,890	619,691	1,332,581	255	207	462	10·0	8·1	18·2	123	60	2	159	45	26	173	507	2·7	·1	7·4	1·9	1·0	6·8	19·9	24·2	274	233	20·3	19·6	117

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

Districts.	Names of Municipalities.	13 Mortality according to— Class. Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	14 Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.
Burdwan	Burdwan	...	12	6	...	...	.	26·3	30·4	...	...
Midnapore	Midnapore	...	8	5	...	...	...	16·0	36·0	...	...
Hugli	Hughli and Chinsurah ...	...	7	..	...	...	...	11·5	...	...	..
Serampore	Serampore	...	16	1	...	..	.	33·0	55·1	...	.
	Utterpara	...	2	...	...	...	...	19·5	.	...	...
Howrah	Howrah	...	9	8	...		..	6·9	20·3	..	...
	Bali	...	2	1	...	...	...	7·8	39·7	...	..
24-Pergunnahs ...	Suburbs of Calcutta ...	3	79	36	...	..	38·5	27·4	19·4	...	...
Nuddea	Kishnaghur	1	5	1	...	...	91·7	14·0	6·3	...	...
	Ranaghat	...	1	...	...	...	.	7·1	...	...	...
	Santipore	...	1	...	...	...	..	2·5	...	...	...
Jessore	Jessore	...	...	...	...	..	...	...	...	...	...
Rajshahye	Rampore Beauleah ...	...	4	2	...	...	...	21·0	10·6	...	...
Darjiling	Darjiling	...	2	...	...	...	...	22·6	...	...	...
Dacca	Dacca	...	18	19	...	...	...	23·2	25·1	...	...
	Narainganj	...	1	1	...	...	...	8·2	8·4	...	...
Chittagong	Chittagong	...	1	4	...	...	...	9·0	13·6	...	...
Tipperah	Comillah	1	4	2	...	...	429·8	35·0	14·1	...	..
Patna	Patna City	...	64	19	...	...	...	28·0	24·2	...	...
Gya	Gya	...	27	13	...	...	..	23·4	42·0	...	...
Shahabad	Arrah	...	8	2	...	...	..	13·4	5·4	...	...
Mozufferpore ..	Mozufferpore	...	6	7	...	...	...	10·4	29·2	...	...
Durbhanga ...	Durbhanga	..	16	4	...	...	...	17·2	11·8	...	...
Sarun	Chupra	..	13	1	...	...	...	16·4	4·3	...	...
Bhagulpore ...	Bhagulpore	...	16	9	...	...	...	20·9	27·2	...	...
Monghyr	Monghyr	...	18	6	...	...	...	21·0	24·8	...	...
Purneah	Purneah	...	2	2	...	...	...	11·3	18·4	...	..
Puri	Puri	...	11	..	...	...	...	23·3	..	...	...
	TOTAL ...	3	353	149	...	...	21·7	20·1	19·8	.	...

Districts.	Names of Municipalities.	15 Mortality according to— Age. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16 Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	4	4	...	1	1	3	1	1	1	2	315·2	92·2	... ..	20·7	16·6	19·7	7·5	11·8	21·2	70·2
Midnapore	Midnapore	3	2	.	1	2	3		..	..	2	210·0	44·2	.....	17·1	32·9	21·2	......	......	... ..	56·8
Hugli	Hughli and Chinsurah	2	2	.			1	...		1	1	110·3	39·0	.. ..	... ..	......	6·8	......	.	15·9	20·7
Serampore	Serampore	5	3	3	.	1	..	1	...	...	4	336·2	86·4	63·1	...	13·8	... ..	10·5	......	.....	149·5
	Utterpara	...		.	1	...	...	...	..	1	..	..	......	..	103·6	... ..	... ..	......	......	141·3	......
Howrah	Howrah	4	1	1		1	2	3	..	2	3	100·8	9·4	8·3	......	7·1	4·6	8·1	......	19·0	41·6
	Bali	1	.	...	...	..	...	...	..	1	1	143·6	......	......	... .	......	... ..	......	......	49·6	71·0
24-Pergunnahs ...	Suburbs of Calcutta	30	17	2	5	8	14	18	12	4	8	327·4	54·7	5·3	11·5	23·1	12·5	18·2	18·4	12·3	29·2
Nuddea	Kishnaghur	2	.		.		2	2	...	1	...	209·7	......	. ....	......	......	21·6	24·3	......	24·7	......
	Ranaghat	...	.	.	...	.	1	..	..	...	.	... .	......	......	....	......	34·5	... ..	......	. ..	......
	Santipore	.	.	...	..	.	...	...	...	1	...	. . ..	......	... ..	......	......	......	......	......	22·6	......
Jessore	Jessore	...	...	..	..	...	...	...	...	...	...	... ..	......	......	. ....	. . ..	......	......	......	... ..	......
Rajshahye	Rampore Beauleah	.	1	2	...	...	...	2	1	...	...	......	36·7	50·0	......	......	......	28·9	21·2	......	......
Darjiling	Darjiling	1	...	...	...	...	...	...	...	...	1	429·7	......	......	......	......	......	......	......	......	307·7
Dacca	Dacca	7	5	2	2	1	2	9	3	3	3	191·8	35·3	10·5	13·1	7·1	6·8	40·1	18·6	32·9	28·0
	Narainganj	1	...	..	..	1	..	...	...	...	...	186·4	......	......	. ....	49·8	......	......	......	......	......
Chittagong	Chittagong	...	...	...	1	1	...	2	1	...	...	......	......	......	20·0	21·5	......	31·2	23·0	......	......
Tipperah	Comillah	...	...	2	...	1	1	..	..	1	2	... ..	......	63·9	......	21·5	18·8	......	......	64·9	153·4
Patna	Patna City	15	13	6	5	4	6	10	8	4	12	181·0	46·3	18·5	18·1	18·6	10·8	22·4	22·1	14·7	45·2
Gya	Gya	14	7	4	1	...	3	4	...	2	5	406·8	57·3	30·9	7·7	... ..	10·6	16·3	......	15·8	50·5
Shahabad	Arrah	1	5	...	...	1	..	1	1	...	1	40·4	58·7	......	......	16·5	......	8·1	11·1	......	18·0
Mozufferpore ..	Mozufferpore	2	1	1	..		1	3	2	1	2	108·9	12·9	11·6	......	... .	6·0	22·4	20·7	16·0	42·7
Durbhanga ...	Durbhanga	3	8	2	1		1	2	...	1	2	100·2	54·7	13·3	9·3	......	3·9	9·3	......	11·6	32·6
Sarun	Chupra	2	1	3	..	...	1	4	3	...	...	72·0	9·8	25·3	..... .	......	5·5	25·8	24·9	......	......
Bhagulpore ...	Bhagulpore	11	6	1	1	3	...			1	2	479·1	57·6	8·9	8·3	37·3	. ...	......	......	12·2	28·9
Monghyr	Monghyr	7	1	1	...	1	2	1	6	..	5	245·1	8·4	7·4	......	13·3	10·1	5·8	40·0	......	72·5
Purneah	Purneah	..	1	1	...	...	1	1	...	...	...	......	43·0	32·9	......	......	15·8	18·2	......	......	......
Puri	Puri	4	1	1			...	1	1	2	1	686·5	28·9	23·2	.. ..	......	......	12·8	15·6	46·6	28·8
	TOTAL ...	119	79	33	19	26	41	65	39	27	57	204·1	37·4	12·7	8·6	13·6	8·4	14·8	12·8	14·7	36·8

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 16th July 1888.

R. LIDDERDALE, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 21st July 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 21st July 1888.			Week ending Saturday, the 23rd July 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	482	1,24,525	1,989	531	71,440	1,189
Jute	6	2,900	37	18	6,725	126
Firewood	127	64,235	920	169	84,300	1,210
Other articles	723	1,75,358	2,771	842	1,68,925	2,891
Total ...	1,338	3,67,018	5,717	1,560	3,49,390	5,416

Bengal Central Railway.

Abstract of principal commodities carried over the Bengal Central Railway during the month of May 1888, as compared with the same month of the previous year.

Staples.	1888.		1887.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,455	... ..	1,670	......	1,455	1,670	.....	215
Cotton, raw	1	15	.. .	5	16	5	11	...
Cotton, twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	247	.	181	......	247	181	66	......
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	2	419	7	90	421	27	394	.. ..
5.—Others	21	1,072	20	1,071	1,093	1,091	2	......
Hides and Skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	..	33	......	42	33	42	......	9
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrewed		338	......	47	338	47	291	...
2.—Gunny-bags and cloth	25	17	10	6	42	16	26	
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	45	36	62	16	81	78	3	.. .
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	119		72	......	119	72	47	...
3.—Others	115	.	151	.....	115	151	. ...	36
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	230	562	231	193	801	424	377	.....
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Dried betel-nuts	1	429		329	430	329	101	..
3.—Others	62	233	[illegible]	84	205	1 3	162	.
Railway plant and rolling-stock	117	32	317	113	1[illegible]9	430	..	281
Salt	422	4	365	......	426	365	61	.. ..
Sugar—								
1.—Drained	85	1,594	27	668	1,679	695	984	......
2.—Undrained								
Wood—								
1.—Timber	23	14	20	9	37	38		1
2.—Firewood								
Tobacco	43	35	36	10	78	46	32	... ..
All other articles of merchandise—								
1.—Unmanufactured	311	275	315	380	586	695	...	109
2.—Manufactured								
Total	3,333	5,108	3,542	2,993	8,441	6,535	2,557	651

Comparative Statement of the principal commodities carried over the Bengal Central Railway during the month of May 1888.

INCREASES.

	Tons.
Cotton twist and yarn and piece-goods ...	66
Increased demand.	
Rice ...	324
A good market, principally from Khulna and Singhia.	
Jute, unscrewed ...	291
Principally from Khoolna, whence jute brought from Serajganj in boats was made over to the Railway.	
Seeds ...	377
A fair demand and steady market in Calcutta.	
Betel-nuts ...	101
For exportation to Burmah.	
Other provisions ...	162
Increased requirement.	
Sugar ...	984
Demand for shipment at Calcutta.	

DECREASES.

	Tons.
Coal and Coke ...	215
Reduced requirement for Railway and Flotilla purposes on account of sufficiency of stock.	
Railway Plant and Rolling Stock ...	281
Demand for repairs and renewals was less.	
All other articles of merchandise ...	109
No demand.	

The increases and decreases under other heads are small and call for no special remarks.

CALCUTTA, *the* 14*th July* 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of June 1888, as compared with the same month of the previous year.

Staples.	1887. Up.	1887. Down.	1888. Up.	1888. Down.	Total. 1887.	Total. 1888.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	875	......	710	......	875	710	......	165
Cotton, raw	17	......	4	......	17	4	......	13
Cotton piece-goods—								
1.—European	40	......	54	2	40	56	16	......
Jute—								
2.—Gunny bags and cloths	4	2	7	1	6	8	2	......
Grains—								
2.—Rice	63	141	34	168	204	202	......	2
4.—Gram	3	1	......	......	4	......	......	4
5.—Others	14	5	5	29	19	34	15	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	5	......	......	3	5	3	......	2
b.—Undressed	1	......	......	......	1	......	......	1
2.—Skins of sheep, goats and small animal—								
a.—Dressed	1	......	......	......	1	......	......	1
b.—Undressed	......	......	......	1	......	1	1	......
Lac—								
1.—Stick	1	......	1	......	1	1	......	......
Leather, manufactured	......	......	1	......	......	1	1	......
Liquors—								
1.—Beer	......	......	1	......	......	1	1	......
2.—Wines	......	......	1	......	......	1	1	......
Metals—								
2.—Iron	3	......	10	......	3	10	7	......
3.—Tin	......	......	1	......	......	1	1	......
4.—Others	4	3	16	3	7	19	12	......
Oils—								
1.—Castor	......	......	1	......	......	1	1	......
2.—Kerosine	2	......	3	......	2	3	1	......
3.—Others	......	......	5	......	......	5	5	......
Provisions—								
1.—Ghee	2	......	......	1	2	1	......	1
2.—Dried fruits and nuts	1	......	3	......	1	3	2	......
3.—Others	1	3	7	19	4	26	22	......
Railway plant and rolling-stock	43	7	79	13	50	92	42	......
Salt	46	......	84	......	46	84	38	......
Oilseeds—								
1.—Linseed	1	......	1	25	1	26	25	......
2.—Mustard and rape	25	1	53	10	26	63	37	......
6.—Others	6	......	15	......	6	15	9	......
Silk, raw—								
2.—Indian	1	67	......	26	68	26	......	42
Silk piece-goods—								
2.—Indian	......	4	......	7	4	7	3	......
Spices—								
2.—Others	......	......	1	......	......	1	1	......
Stone and lime	......	......	11	......	......	11	11	......
Sugar—								
1.—Drained	13	......	38	......	13	38	25	......
2.—Undrained	7	......	6	......	7	6	......	1
Tobacco	14	......	4	......	14	4	......	10
Timber	......	......	6	6	......	12	12	......
Paper and pasteboard	1	......	3	......	1	3	2	......
Umbrellas	......	......	2	......	......	2	2	......
All other articles of merchandise	110	97	83	17	207	100	......	107
Total ...	1,304	331	1,250	331	1,635	1,581	205	349

INCREASE. Tons.

Cotton piece-goods—
(1) European 16
This increase is due to steamers not running this year between Calcutta and Jeaganj.

Grains—
(5) Others 15
This increase is due to greater export of Kalai, masuri, &c., to foreign Railways for low price at the local market.

Metals—
(4) Others 12
This increase is due to greater import of brass and bell-metal wares from foreign Railways for high price in the local market.

Provisions—
(3) Others 22
This increase is due to export of mangoes for low price in the local market.

Railway plant and rolling-stock 42
This increase is due to greater materials carried during this month.

Salt 38
This increase is due to there being unsufficient water in the river for boats.

Oilseeds—
(1) Linseed 25
(2) Mustard and rape 37
The increase on these staples is due to greater import from foreign Railways for high price in the local market.

Stone and lime 11
This increase is due to greater imports this year for building purposes.

Sugar—
(1) Drained 25
This increase is due to fair demands in the local market.

Timber 12
There was no such traffic last year.

DECREASE.

Coal 165
This decrease is due to previous stock not being exhausted.

Cotton, raw 13
This decrease is due to previous stock not being exhausted.

Silk, raw—
(2) Indian 42
This decrease is due to dull market.

R. G. MOOKERJEE, *Manager, Nalhati State Railway.*

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 14th July 1888, on 1,513¾ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	241 201	2,29,228 13 0	21,47,861 30	4,21,428 9 0	17,261 2 0	6,67,918 7 0	63,857½	77,847½	141,704½
Or per mile of railway	...	151 6 11	.	278 6 5	11 6 5	441 3 9	...	...	...
For previous 1 week of half-year	229,238	2,31,322 5 0	21,08,955 20	4,18,270 6 0	17,815 8 0	6,67,407 13 0	64,007½	77,071½	141,079
Total for 2 weeks ...	470,439	4,60,551 2 0	42,56,817 10	8,39,698 8 0	35,076 10 0	13,35,326 4 0	127,864½	154,919½	282,783½
Comparison.									
Total for corresponding week of previous year	227,061½	2 20,308 2 7	21,26,740 0	4 77,815 4 0	16,616 14 10	7,14,740 5 5	63,936	87,645	151,581
Per mile of railway corresponding week of previous year	...	145 0 7	......	314 8 11	10 15 0	470 8 6	...	...	...
Total to corresponding date of previous year	583,843	5,35,760 0 4	51,53,556 30	11,56 403 2 3	37,972 8 6	17,30,144 11 1	147,019	207,438	354,457

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	7,14,710	471	1,513¾	6,67,918	441	1,519	1,41,37,693	620	1,513¾	1,32,08,252	584	......	8,69,441

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 14th July 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,971	4,397 9 0	29,494 30	2,044 1 0	22 4 0	6,463 14 0	1,653	741	2,394
Or per mile of railway	174½	76 14 1	515 30	35 11 9	0 6 3	113 0 1	..	...	....
For previous 1 week of half-year	8,766	3,961 11 0	39,494 20	2,391 14 0	23 7 0	6,377 0 0	1,708	770	2,478
Total for 2 weeks ..	18,737	8,359 4 0	68,989 10	4,435 15 0	45 11 0	12,840 14 0	3,361	1,511	4,872
Comparison.									
Total for corresponding week of previous year	10,595	5,094 9 2	38,612 10	2,358 8 0	25 2 3	7,478 3 5	1,723	1,016	2,739
Per mile of railway corresponding week of previous year	185	89 1 1	675 10	41 3 9	0 7 0	130 11 10	......	......	..
Total to corresponding date of previous year	25,163	11,997 14 7	97,964 30	6,446 0 0	52 7 6	18,496 6 1	3,736	2,081	5,817

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	7,478	131	57½	6,464	113	57½	1,37,657	160	57½	1,28,735	150	...	8,922

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 14th July 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,402	569 12 0	5,592 30	139 7 0	10 0 0	719 3 0	365½	128	493½
Or per mile of railway	...	47 7 8	......	11 9 11	0 13 4	59 14 11	......	.....	...
For previous 1 week of half-year ...	3,178	524 9 0	6,695 30	174 11 0	8 11 0	707 15 0	331½	394	727½
Total for 2 weeks	6,580	1,094 5 0	12,288 20	314 2 0	18 11 0	1,427 2 0	609	522	1,221
Comparison.									
Total for corresponding week of previous year	2,996	476 9 11	7,838 10	179 1 0	10 2 0	665 12 11	434	59	493
Per mile of railway corresponding week of previous year	...	39 11 6	... ..	14 13 9	0 14 0	55 7 9	......	......	......
Total to corresponding date of previous year	7,037	1,158 2 2	19,373 10	435 5 0	15 9 3	1,609 0 5	869	258	1,127

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	666	55	12	719	60	12	16,210	90	12	17,266	96	1,056	...

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 14th July 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,472	3,240 7 0	75,396 30	3,486 13 0	94 8 0	6,821 12 0	667	1,420½	2,087½
Or per mile of railway	...	43 5 2	..	46 9 10	1 4 2	91 3 2	......	...	...
For previous 1 week of half-year ...	4,788	3,741 1 0	74,557 30	3,417 8 0	93 10 0	7,252 3 0	653	1,059¾	1,712¾
Total for 2 weeks	9,260	6,981 8 0	1,49,954 20	6,904 5 0	188 2 0	14,073 15 0	1,320	2,480	3,800
Comparison.									
Total for corresponding week of previous year	4,823½	3,618 13 1	1,09,680 0	3,045 11 0	54 10 0	6,719 2 1	664	1,236	1,900
Per mile of railway corresponding week of previous year	... ...	48 6 1	......	40 11 6	0 11 8	89 13 3	... ..	......	... ..
Total to corresponding date of previous year ...	11,716	8,978 3 9	2,20,938 0	6,597 12 0	117 0 3	15,693 0 0	1,533	3,067	4,600

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	6,719	90	74½	6,822	91	74½	1,29,695	116	74½	1,19,668	107	......	10,027

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 14th July 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	20,530	5,083 5 0	3,784 20	124 8 0	4 0 0	5,212 3 0	898	70	968
Or per mile of railway		228 7 5	..	5 9 7	0 3 1	234 4 1	...		
For previous 1 week of half-year	18,969	4,761 7 0	4,107 10	150 14 0	5 10 0	4,917 15 0	905	63	968
Total for 2 weeks	39,499	9,844 12 0	7,891 30	275 6 0	10 0 0	10,130 2 [illegible]	1,803	133	1,936
Comparison									
Total for corresponding week of previous year .	15,773½	3,669 5 11	4,784 30	177 14 0	3 0 0	3,850 3 11	937	85	1,022
Per mile of railway corresponding week of previous year	.....	164 14 8	. ..	7 15 11	0 2 2	173 0 9			
Total to corresponding date of previous year	48,243	11,277 0 5	9,[illegible]63 30	346 9 0	4 3 0	11,627 12 5	2,219	145	2,364

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	3,850	173	22½	5,212	234	22½	88,698	266	22½	94 437	283	5 730	..

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 7th July 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week .	107,750	53,218 0 0	415,421 0	67,835 0 0	10,494 0 0	1,31,547 0 0	22,000	18,300	40,300
Or per mile of railway	160	79 0 0	618 0	101 0 0	*4 0 0	184 0 0			
For previous weeks of half-year . ..		.. .	. ..		.. ..	..	..		
Total for 1 week .	107,750	53,218 0 0	415,421 0	67,835 0 0	10,494 0 0	1,31,547 0 0	22,000	18,300	40 300
Comparison.									
Total for corresponding 9 days of previous year .	159,068	70,927 0 0	418,408 0	71,632 0 0	13,823 0 0	1,56,382 0 0	26,090	21,181	47,271
Per mile of railway corresponding period of previous year	246	110 0 0	649 0	111 6 0	*6 0 0	227 0 0	.	..	.
Total to corresponding date of previous year	159,068	70,927 0 0	418,408 0	71,632 0 0	13,823 0 0	1,56,382 0 0	26,090	21,181	47,271

* Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Eastern Bengal State Railway.

Receipts for first 9 days of July 1887			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to first 9 days of July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked per week.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,56 382	242	672	1,31,547	[illegible]	[illegible]	[illegible]	232	675	*20,38,108	210	34,792	......

* Audited up to 2nd June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 7th July 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	25,535	8,597 0 0	34,144 0	2,127 0 0	129 0 0	10,853 0 0	3,868	1,876	5,744
Or per mile of railway .	204	69 0 0	273 0	17 0 0	1 0 0	87 0 0			
For previous weeks of half-year	..	......	......	... .	... ..	...	..... .		...
Total for 1 week ...	25,535	8,597 0 0	34,144 0	2,127 0 0	129 0 0	10,853 0 0	3,868	1,876	5,744
COMPARISON									
Total for corresponding 9 days of previous year	33,858	11,741 0 0	49,533 0	3,025 0 0	127 0 0	14,893 0 0	4,723	2,027	6,750
Per mile of railway corresponding period of previous year	271	94 0 0	396 0	24 0 0	1 0 0	119 0 0	.. ...	.. .	. .
Total to corresponding date of previous year . .	33,858	11,741 0 0	49,533 0	3,025 0 0	127 0 0	14,893 0 0	4,723	2,027	6,750

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for first 9 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 9th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs	Rs		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs
125	14,893	119	125	10,853	87	125	1,90,819	109	125	*1,70,579	97	.	20,240

* Audited up to 2nd June 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 7th July 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total
		Rs. A P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	10,400	4,508 0 0	5,180 0	452 0 0	48 0 0	5,008 0 0	2,141	963	3,104
Or per mile of railway	121	52 0 0	60 0	5 0 0	1 0 0	58 0 0	.	... ..	
For previous weeks of half-year		.	.. ...	.	..		.	.	.
Total for 1 week	10,400	4,508 0 0	5,180 0	452 0 0	48 0 0	5,008 0 0	2,141	963	3,104
COMPARISON.									
Total for corresponding 9 days of previous year	14,141	4,361 0 0	3,453 0	340 0 0	294 0 0	5,001 0 0	3,271	817	4,088
Per mile of railway corresponding period of previous year	164	51 0 0	40 0	4 0 0	3 0 0	58 0 0	..	.	
Total to corresponding date of previous year .	14,141	4,361 0 0	3,453 0	346 0 0	294 0 0	5,001 0 0	3,271	817	4,088

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for first 9 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 9th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888-89	Total decrease in 1888-89
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked.	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	5,001	68	86	5,008	58	86	70,760	59	86	*69,190	57		1,570

* Audited up to week ending 2nd June 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 7th July 1888, *on* 39 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	2,743	964 0 0	26,251 0	2,253 0 0	30 0 0	3,247 0 0	546	546	1,092
Or per mile of railway	70	24 0 0	673 0	58 0 0	1 0 0	83 0 0	......	.....	....
For previous weeks of half-year	... ..	... ..	... ..	...	... ..	...	..	......	.. ..
Total for 1 week ...	2,743	964 0 0	26,251 0	2,253 0 0	30 0 0	3,247 0 0	546	546	1,092
COMPARISON.									
Total for corresponding 9 days of previous year	3,856	1,303 0 0	18,335 0	1,471 0 0	46 0 0	2,820 0 0	702	702	1,404
Per mile of railway corresponding week of previous year	99	33 0 0	470 0	38 0 0	1 0 0	72 0 0	......		....
Total to corresponding date of previous year ...	3,856	1,303 0 0	18,335 0	1,471 0 0	46 0 0	2,820 0 0	702	702	1,404

FINANCIAL YEAR

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for first 9 days of July 1887.			Receipts for week ending 7th July 1888.			Total receipts from 1st April 1887 to 9th July 1887.			Total receipts from 1st April 1888 to 7th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	2,820	72	39	3,247	83	39	43,807	79	39	*47,816	88	4,009	..

* Audited up to week ending 2nd June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 14th July 1888, *on* 27½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	2,803	1,038 0 0	10,267 0	612 0 0	15 0 0	1,665 0 0	509	254	763
Or per mile of railway	103	38 0 0	377 0	22 0 0	1 0 0	61 0 0	....	....	.. ..
For previous 1 week of half-year	3,203	1,173 0 0	3,576 0	299 0 0	3 0 0	1,475 0 0	509	254	763
Total for 2 weeks .	6,006	2,211 0 0	13,843 0	911 0 0	18 0 0	3,140 0 0	1,018	508	1,526
COMPARISON.									
Total for corresponding period of previous year ..	3,220½	1,193 10 0	6,474 20	508 7 0	6 8 0	1,708 9 0	509	308½	817½
Per mile of railway corresponding week of previous year .	118	44 0 0	238 0	19 0 0	... ..	63 0 0	......	... ..	..
Total to corresponding date of previous year	7,378	2,744 5 3	18,904 30	1,375 9 0	43 8 0	4,163 6 3	1,200	816½	2,016½

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for the week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,708	63	27½	1,665	61	27½	27,459	67	27½	28,206	69	747	...

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 14th July 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	34,081	11,832 0 0	157,590 0	12,836 0 0	2,663 0 0	27,331 0 0	5,710	5,442	11,152
Or per mile of railway	132	46 0 0	608 9	49 6 0	3 0 0	98 0 0*	......	......	......
For previous 1 week of half-year	33,541	11,617 0 0	165,153 0	13,195 0 0	2,787 0 0	27,599 0 0	5,673	5,917	11,590
Total for 2 weeks ...	67,622	23,449 0 0	322,743 0	26,031 0 0	5,450 0 0	54,930 0 0	11,383	11,359	22,742
Comparison.									
Total for corresponding period of previous year on 249 miles open	33,134	10,594 10 5	145,818 10	11,452 15 0	2,354 3 7	24,401 13 0	7,097	5,447	12,554
Per mile of railway corresponding week of previous year ...	133	42 0 0	586 0	46 0 0	1 0 0	89 0 0*	......	......	......
Total to corresponding date of previous year	60,602	26,360 13 11	364,375 30	29,246 15 0	6,383 13 7	61,991 10 6	15,540	13,343	28,883

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	24,401	98	259	27,331	105	249	5,17,324	139	259	5,35,443	138	18,119	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 7th July 1888...	7,663
Corresponding week last year	6,498
Increase	1,165
	Miles.
Miles open week ending 7th July 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 7th July 1888	150 4 1
Corresponding week last year	127 6 7
Increase	22 13 6

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REGISTERED No. 29.

No. 31 of 1888.

SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, AUGUST 1, 1888.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.

RESOLUTION REGARDING THE RE-ORGANIZATION OF THE CALCUTTA MADRASSA.

GENERAL DEPARTMENT—EDUCATION.

Dated Calcutta, the 31st July 1888.

RESOLUTION.

READ the following papers on the subject of increasing the efficiency of the Calcutta Madrassa :—

Letter from the Director of Public Instruction, No. 3941, dated 26th June, 1886, and enclosures.
Letter to the Director of Public Instruction, No. 500, dated 4th August, 1886.
Letter from the Director of Public Instruction, No. 3T, dated 3rd September, 1886.
Letter to the Director of Public Instruction, No. 1022T—G, dated 16th October, 1886.
Letter to the Director of Public Instruction, No. 334, dated 4th May, 1887, and enclosure.
Letter from the Director of Public Instruction, No. 3448, dated 13th May, 1887.
Letter to the Director of Public Instruction, No. 18T—G, dated 20th June, 1887.
Letter from the Director of Public Instruction, No. 17T, dated 13th June, 1887, and enclosures.
Letter from the Director of Public Instruction, No. 4210, dated 25th June, 1887, and enclosures.

Letter to the Director of Public Instruction, No. 53T—G, dated 21st October, 1887.

Letter from the Director of Public Instruction, No. 488, dated 25th January, 1888, and enclosure.

The Principal of the Calcutta Madrassa, with the approval of the Director of Public Instruction, has for some time urged upon the Government of Bengal the advisability of increasing the pay of some of the masters of that institution, of founding additional scholarships to enable students to read up to the degree of Master of Arts, and of affording additional accommodation for boarders. The Lieutenant-Governor, while fully admitting that these improvements would be of great use, has hitherto been unable to adopt them on account of the increased expenditure which they involve. This objection has now been satisfactorily removed by Dr. Hoernle, who has submitted a scheme for meeting the cost of the contemplated charges by effecting an economy in itself desirable. He proposes that the Madrassa students in the College classes should be permitted to attend lectures at the Presidency College, thus obtaining the advantage of superior instruction, the best procurable in Calcutta, while enabling Government to utilize elsewhere the services of the staff now employed in giving separate lectures in the Madrassa. The Director of Public Instruction entirely supports this recommendation, representing that it will materially strengthen the Presidency College, where Dr. Hoernle can be appointed Lecturer on Philosophy, in addition to his other duties. The Lieutenant-Governor has ascertained that the proposal is acceptable to the Muhammadan community generally, and has much pleasure in giving it his sanction. The Madrassa students will continue to pay fees at the present rates, and will remain under their present discipline.

2. The teaching staff in the College Department of the Madrassa now consists of the following officers:—

	Per mensem. Rs.
Dr. A. F. R. Hoernle, Principal (class IV, Superior Graded Service)	750
M. G. Lorimer, Assistant Professor of English (class II, Subordinate Graded Service)	380
Moulvi Abdool Hak Abid, B.A., Professor of Arabic and Persian ...	100
Baboo Jogesh Chandra Roy, M.A., Lecturer in Physics (class V of the Subordinate Educational Service)	140
Total ...	1,370

Notwithstanding the abolition of the College classes, the Principal will still be required to superintend the other Departments of the Institution, and to give lectures in Philosophy in the Presidency College. The Lieutenant-Governor accordingly sanctions the proposed appointment of Dr. Hoernle to lecture as a Professor in the Presidency College, in addition to his own duties in the Calcutta Madrassa, the services which he will then render to the former being taken as a set off against the valuable privilege of attendance at their own rate of fees now to be accorded to the Madrassa students. The time to be devoted by Dr. Hoernle to lectures in the Presidency College should be settled by arrangement between the two Principals, subject, if necessary, to confirmation by the Director of Public Instruction.

3. As the services of the three Professors of the Madrassa College will be no longer necessary, the Lieutenant-Governor, with the approval of the Government of India, sanctions the abolition of Mr. Lorimer's post in class II of the Subordinate Service, and approves the proposal to transfer Moulvi Abdool Hak Abid on his present pay of Rs. 100 per mensem to one of the new posts on the same pay in the School Department, and to abolish the appointment now held by Baboo Jogesh Chandra Roy in class V of the Subordinate Service. By these arrangements the second and fifth classes of the Subordinate Educational Service will be reduced by one appointment each, and until vacancies arise to provide for the officers concerned, they will be regarded as supernumeraries in their respective grades, the additional cost thus incurred being met from Provincial revenues.

4. The savings effected by the abolition of the three appointments referred to will amount to Rs. 620 a month, a sum which it is proposed to devote to the following objects:—

Designation.	Present scale.	Proposed scale.	Increase per mensem.
	Rs.	Rs.	Rs.
Head master ..	250 0	300 0	50 0
2nd " .	160 0	160 0	..
3rd " ...	50 0	125 0	75 0
4th " ...	50 0	100 0	50 0
5th " ...	50 0	80 0	30 0
6th " ...	50 0	60 0	10 0
7th " ...	40 0	50 0	10 0
8th " ..	40 0	45 0	5 0
9th " ..	35 0	40 0	5 0
10th " .	30 0	35 0	5 0
11th " .	25 0	30 0	5 0
Additional master ..	50 0	50 0	...
1st Persian teacher ..	50 0	60 0	10 0
2nd " " .	50 0	50 0	.
Urdu teacher .	40 0	47 0	7 0
Bengali pundit ..	25 0	30 0	5 0
Gymnastic master ...	25 0	25 0	.
Total	1,020 0	1,387 0	267 0
Head master .	120 0	120 0	..
Do. house allowance	40 0	40 0	..
2nd master .	45 0	50 0	5 0
3rd " .	35 0	45 0	10 0
4th " ..	30 0	40 0	10 0
5th " ...	25 0	35 0	10 0
6th " ...	20 0	30 0	10 0
7th " ...	15 0	25 0	10 0
8th " .	15 0	20 0	5 0
1st Persian teacher	20 0	20 0	..
2nd	20 0	20 0	...
Servants	16 0	16 0	.
Total	401 0	401 0	60 0
Head clerk .	85 0	85 0	
2nd " .	16 8	25 0	8 8
Librarian and assistant clerk.	25 0	30 0	5 0
Servants	109 8	109 8	..
Total	235 0	248 8	13 8

		Rs.	A.
(1).	Increase of the salaries of the masters in the School Departments and of the clerks in the office as noted on the margin... ...	340	8
(2).	Grant-in-aid towards the maintenance of night studies ...	29	8
(3).	Additional scholarships to under-graduates	100	0
(4).	Allowance for an additional hostel ...	150	0
	Total ..	620	0

5. The Lieutenant-Governor, with the approval of the Government of India, sanctions the grant of the increment of the head-master's salary, and approves the proposal to grant the other increments recommended. The increment accorded to the head-master will be extended over a period of five years. The pay of the third master will be raised to Rs. 80, that of the fifth master to Rs. 62, and the rest of the increment will in their cases be spread over three years.

6. In explanation of the proposed grant for night studies it is reported that there is a difficulty in teaching English to Muhammadan students out of school hours, as they do not receive in their homes the same amount of help and encouragement in their English studies as Hindu boys, and to obviate this Dr. Hoernle proposes to commence a system of evening classes for the boys of the School Department, to be held on the premises of the Madrassa and under the supervision of one or two of the masters. Attendance at these classes would be voluntary, and students taking advantage of them would have greater facilities for preparing their home exercises and receiving further assistance in their studies. The Lieutenant-Governor considers the proposal deserving of a trial, and sanctions the scheme with the grant of a monthly contingent allowance of Rs. 30 to cover the estimated expenditure on lighting, &c. An initial outlay of Rs. 320 for supplying and fitting gas-pipes into evening class-rooms is also sanctioned.

7. The Lieutenant-Governor agrees with Sir Alfred Croft in thinking that additional scholarships should be established for the Muhammadan B.A.-graduates who desire to read for the M.A. degree, and sanctions his proposal for the establishment of three graduate scholarships of Rs. 20 a month, tenable for a year and a half (namely, from June in one year, when the Session begins, to November in the following year, when the M.A. examination is held), which may be awarded to any student of the Madrassa who has passed for the degree of B.A. in honours. The final cost of the scholarships will be Rs. 90 a month.

8. The necessity for some increase in the boarding accommodation within the Madrassa, and the want of a hostel for the sons of the respectable, or *Sharif*, class of Muhammadans, have been long felt and generally admitted. Dr. Hoernle therefore proposes—and he has the support of Sir Alfred Croft—to engage a house in the neighbourhood of the Madrassa at a monthly rent of Rs. 150. The Lieutenant-Governor sanctions this proposal, and directs that all receipts from boarders' fees, over and above the actual outgoings for food and servants, shall be credited to Government, the amount of the Government expenditure being *pro tanto* reduced. The details of the scheme should, as suggested by Sir Alfred Croft, be settled by Dr. Hoernle after communicating with Muhammadan gentlemen of position and ascertaining their views on the subject, so as to ensure that arrangements in conformity with Muhammadan feeling may eventually be made.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Government of Bengal.

THE following report of the fifth quarterly inspection of the Dock Works at Kidderpore, which are being carried out by the Commissioners for making improvements in the Port of Calcutta, is published for general information.

W. B. BESTIC,
Under-Secy. to the Govt. of Bengal,
P. W. Dept.

QUARTERLY INSPECTION OF THE KIDDERPORE DOCK WORKS.

Dated Calcutta, the 25th July 1888.

From—H. CLÖETE, Esq., and W. CONNAN, Esq.,
To—The Secretary to the Government of Bengal, Public Works Department.

IN accordance with the orders contained in Government of Bengal's letter No. 889 Marine, dated 17th July 1888, we have the honour to report that we made the fifth quarterly inspection of the Kidderpore Docks on the 23rd instant.

2. The index plan with tabular statement showing work done during the quarter under report and the total quantity of work from the starting of the Docks, which have been prepared by the Superintending Engineer in charge of the works, are with Government.

3. The state of the works on the 30th June last may be described as follows:—

Temporary Works and Plant.—The linking in of the rails of the tramway along the bank of boat canal was expected to be finished early in July. Some temporary lines of rail were laid into the middle of the dock from its east end, and are now in use for the conveyance of spoil.

Permanent Works.—Sixty feet lock.—During the quarter 4,68,200 cubic feet of excavation and 3,34,800 cubic feet of masonry were done. The portion of the lock nearest the river has been built up to a height of 40 feet from foundation level; the floor of the middle section has been completed, and the walls built to datum level. A length of 150 feet of the flooring of the section near the tidal basin was almost completed, and the back portion of the walls built up to datum level. Altogether about 60 per cent. of the excavation and about 32 per cent. of the masonry have been done up to the 30th June.

Tidal Basin.—Nearly three-fourths of the entire length of the quay walls have been founded, 41 per cent. of the total excavation, and nearly two-thirds of the total masonry done.

During the quarter 5¾ lakhs of cubic feet of masonry were executed and 13½ lakhs of cubic feet of earth removed. Excavation for the double entrance to Dock No. 1 was being started.

Dock No. 1.—About three-fourths of the total length of quay walls have been founded. Two-thirds of the total masonry and 41 per cent. of the excavation done.

During the quarter over 8 lakhs of cubic feet of masonry were executed and 52½ lakhs of cubic feet of earthwork removed.

Boat Canal.—During the quarter over 31 lakhs of cublic feet of earth were excavated, and to end of the quarter more than 50 per cent. of the total quantity of earthwork had been done.

Expenditure.—The total expenditure to end of June amounted to Rs. 97,19,127, of which Rs. 73,57,199 were for works and Rs. 23,61,928 for land.

Sanitary.—The average number of work-people employed during the quarter was 9,400; this is about 1,600 less than the average number engaged during the previous quarter. Among the people employed, there were 53 deaths reported; this is equivalent to a death-rate of 21·08 per thousand per annum.

GENERAL REMARKS.

We consider that the satisfactory progress hitherto shown on the works has been maintained, and that, so far as we can judge from a quarterly inspection, the arrangements and quality of the work done appear to be good.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 28th July 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
	BENGAL.		
	Western Districts.		
	BURDWAN DIVN.		
1	Burdwan July 28, '88	2·07	Weather—seasonable. The much-needed rain has fallen in the north and east, and prospects are now good in the western half of the district, and very fair elsewhere. Prices stationary.
	Culna ...	2·53	
	Cutwa ...	2 06	
	Ranigunge ...	2 37	
2	Bankoora „ 28, '88	2·59	Weather—seasonable. Transplantation of rice proceeds. Sugarcane thriving. No change in the rice market.
3	Birbhum „ 28, '88	1·52	Weather—cool; clouds, showers and storms. Rain very insufficient, and progress of transplantation slow; but since the 24th in the north and the 28th in the south heavy rain has been falling which will do great good.
	Rampur Haut ...	4·41	
4	Midnapur „ 28, '88	1·72	Weather—hot, with occasional showers. Prospects of rice fairly good. More rain wanted in Contai and Tumlook.
5	Hugli „ 28, '88	2·40	Weather—cloudy with showers. Transplanting is still going on in the lower lands. For the high lands more rain is required. Prospects are so far good.
	Serampur ...	4·69	
	Jehanabad ...	2 75	
	Howrah „ 30, '88	1·44	Weather—seasonable. State and prospects of crops promising.
	Ooloeberia ...	0·47	
	Central Districts.		
	PRESIDENCY DIVN.		
6	24-Perghs. July 31, '88	3·43	Prospects of crops favourable. Transplantation going on.
7	Nuddea „ 28, '88	8·84	Weather—close, with heavy rain throughout the district. Prospects of rice fair. Rain has done much good to *aus* crop, and has facilitated transplantation of *amun*. Jute and sugarcane doing well. Indigo good in Meherpore; not good in Chooadanga.
	Kushtea ...	5·16	
	Meherpur ...	5·42	
	Chooadanga ...	6·19	
	Ranaghat ...	4 61	
8	Khoolna „ 28, '88	6·74	Weather—seasonable. Good showers during the week. Prospects of *aus* good. Cultivation for Sunderbun *amun* land is going on. *Amun* on the north thriving. The rainfall of this week will do great good to the standing crops. Jute and sugarcane promise well.
9	Jessore „ 28, '88	4·75	Weather—rainy. The rain of the week has much improved the state of the paddy crops. Reaping of *aus* and transplantation of *amun* going on fairly.
	Jhenidah ...	3 50	
	Magoora ..	3 98	
	Narail ...	2·10	
	Bongong ...	7·30	
10	Moorshedabad „ 28, '88	3·31	Weather—hot and overcast, with showers of rain at intervals. Considerable good has been done to the *amun* plants by the recent rain. *Aus* is getting ripe.
	Lalbagh ...	4·79	
	Kandi ..	7·20	
	RAJSHAHYE DIVN.		
11	Dinagepur „ 28, '88	3·66	Weather—rainy. The rain has done much good, and transplanting is in progress, but more rain is wanted for the high lands.
	Thakurgaon ...	2·97	
12	Rajshahye „ 28, '88	4 05	Weather—hot and muggy. More rain wanted, but prospects of crops not bad. Price of rice stationary.
	Nattore ...	4·85	
	Nowgong ...	5·10	
13	Rungpur „ 27, '88	0·88	Prospects are fair on the whole; but rain is badly wanted in the Gaibanda sub-division for *amun* crop and for steeping jute.
	Nilphamari ...	2 15	
	Kurigram ...	3·03	
	Gaibanda ...	0·76	
14	Bogra „ 28, '88	2 87	Weather—showery. Moderate rain; more wanted for *amun*. *Aus* and jute are being harvested; outturn fair. Price of rice rising.
	Sherpur ...	1 62	
	Naukhila .	1 80	
15	Pubna „ 28, '88	5·91	Weather—cloudy and rainy. Prospects of crops improved by rain.
	Serajgunge ...	1·18	
16	Darjeeling „ 28, '88	9·33	Weather—rainy and cloudy. In hills potatoes are being dug; Indian-corn maturing; *marwa* and rice promise well. In plains winter rice is being transplanted and *bhadoi* rice harvested; jute nearly mature. Prospects generally good.
17	Julpigoree „ 28, '88	5·25	Weather—hot and cloudy with rain at intervals. Standing crops doing well. Common rice sells at 20 seers per rupee.
	Eastern Districts.		
	DACCA DIVISION.		
18	Dacca „ 28, '88	6·44	Weather—cloudy and rainy. *Aus* paddy and jute are being harvested. *Amun* paddy thriving. Rain has done much good. Rivers gradually rising.
	Manickgunge ...	2 81	
	Munshigunge ...	4 29	
	Naraingunge . .	4·20	
19	Furreedpur „ 28, '88	7 31	Weather—seasonable. Prospects of crops good.
	Goalundo ...	3 6	
	Madaripur	2·71	
20	Backergunge „ 27, '88	3 81	Weather—seasonable. Prospects of crops fair, except in Bhola, where accounts are unfavourable.
21	Mymensingh „ 27, '88	1·91	Weather—hot, with occasional showers. Prospects of crops fair.
	Jamalpur ...	1·42	
	Kishoregunge ..	2 07	
	Attia ...	0 75	
	Netrokona ...	2 66	

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Eastern Districts—concld.		
Chittagong Divn.	22	Chittagong July 31, '88	3·64	Weather—seasonable. Prospects of crops good. Prices steady.
		Cox's Bazar ...	22·47	
	23	Noakholly " 27, '88	8·57	Weather—seasonable. *Aus* is being reaped. Transplantation of *amun* continues.
		Fenny ...	14·23	
	24	Tipperah " 26, '88	3·55	Weather—seasonable. Rain has fallen, and there is promise of more. State and prospects of crops satisfactory. Rain has greatly improved prospects.
		Brahmanbariah .	0·45	
		Chandpur ...	3·60	
	25	Chittagong Hill Tracts. " 24, '88	4·80	Weather—cloudy and rainy during the latter part of the week. Recent rain has improved both *jum* and plough paddy, but more still wanted.
		Hill Tipperah " 25, '88	0·76	Weather—hot and cloudy. Early rice thriving. *Amun* paddy being transplanted. *Jum* crops doing well.
BEHAR.				
Patna Divn.	26	Patna " 28, '88	4·99	Weather—cloudy and rainy. *Bhadoi* and paddy sowings have been completed. *Cheena* and *makai* doing well. The river is rising fast, and it is feared that the *bhadoi* crops on the Dearah will be damaged.
		Barh ...	7·37	
		Dinapur ..	2·18	
	27	Gya " 28, '88	3·62	Weather—cloudy and hot. Paddy is being transplanted. *Bhadoi* crops doing well.
	28	Shahabad " 28, '88	3·69	Weather—hot and cloudy. Prospects of *bhadoi* crops generally good, but in the Arrah sub-division a break in the rain is wanted. Transplantation of paddy has commenced in parts of the Sasseram sub-division. Sugarcane promises well. Prices stationary.
		Buxar ...	2·28	
		Sasseram ...	4·39	
		Bhabuah ...	2·40	
	29	Durbhunga " 28, '88	8·12	Weather—rainy. Prospects of *bhadoi* continue very promising. Rice cultivation in full swing. Indigo manufacture progressing. Prices remain almost stationary.
	30	Mozufferpur " 28, '88	5·57	Weather—rainy. The rainfall during the week has been beneficial for all agricultural purposes. Prospects of *bhadoi* crops good. Transplantation of paddy going on.
		Sitamarhi ...	4·60	
		Hajipur ...	4·38	
	31	Sarun " 28, '88	4·71	Weather—cloudy, with rain at intervals. Sowings of *bhadoi* almost completed. Transplantation of paddy commenced. Prospects favourable. Indigo mahai going on.
		Sewan ...	1·93	
	32	Chumparun " 28, '88	4·21	Weather—hot, cloudy and rainy during the greater part of the week; fair to-day (28th). Transplantation of paddy in full progress. *Bhadoi* doing well. Prospects good. Break in the rain needed in the Bettiah sub-division.
		Bettiah ...	6·43	
Bhagulpore Divn.	33	Monghyr " 28, '88	8·48	Weather—cloudy and rainy. Rain sufficient for the present. Sunshine is now necessary for the standing *bhadoi* crops. Paddy seedlings doing well.
		Begusarai ...	2·66	
		Jamui ...	3·67	
	34	Bhagulpur " 28, '88	6·45	Weather—seasonable. Prospects of crops generally good.
		Banka ...	4·46	
		Mudehpura ...	2·46	
		Soopole ...	3·24	
	35	Purneah " 28, '88	3·56	Weather—occasional showers. State and prospects of crops very good.
		Kishengunge ...	3·74	
		Arrareah ...	8·40	
	36	Maldah " 28, '88	3·83	Weather—seasonable. *Bhadoi* crops doing well. Some damage to low land crops apprehended from rise of rivers. Transplantation of winter paddy going on.
		Chanchal ...	1·67	
		Shibgunge ...	4·34	
		Gajol ...	2·72	
	37	Sonthal Pergha. " 28, '88	1·61	Weather—seasonable. Accounts good everywhere. Transplantation of rice goes on. In Rajmehal *bhadoi dhan* in ear. *Janera* on the whole doing well.
		Deoghur ...	5·71	
		Godda ...	6·56	
		Jamtara ...	4·34	
		Pakour ...	5·93	
		Rajmehal ...	4·05	
ORISSA				
Orissa Divn.	38	Cuttack July 27, '88	0·85	Weather—close and warm. Clouds appear and pass without sufficient rain. State of crops in places somewhat improved by the rain of 18th and 19th. This rain was, however, not general. Rainfall has since been scanty. Crops will suffer for want of heavy showers. Prices rising.
	39	Pooree " 26, '88	1·78	Weather—cloudy with occasional showers. Puddling of the (*sarud*) winter crops has commenced in some parts of the district; more rain is urgently required to finish the operation. Common rice 20 seers 7 chittacks per rupee in the Sudder sub-division and 18 seers 14 chittacks in the Khoordah sub-division. The poorer classes in parts of Khoordah are in a distressed condition.
		Khoordah ...	3·92	
	4	Balasore " 27, '88	2·74	Weather—seasonable. Crops generally doing well, but more rain wanted for transplantation of rice seedlings.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
Chota Nagpore Divn.	41	Hazaribagh July 27, '88	4·59	Weather—seasonable. Abundant rain. Agricultural operations in full swing. All crops doing well.
	42	Lohardugga " 28, '88	2·87	Weather—cloudy and windy. Good rain on three days. More rain wanted to enable paddy transplantation to proceed. Prospects good. Prices as before.
		Palamow ... [for the week ending 23rd]	6·14	
	43	Singbhoom " 27, '88	5·57	Rain all over the district. Crops reported well from all parts of the district. Prospects good.
	44	Manbhoom " 28, '88	4·29	Weather—cool and rainy. Sufficient rain has fallen in all parts of the district, and transplanting of paddy seedlings is in progress. *Bhadoi* crops much injured by the drought in the early part of the season.
		Govindpur ...	1·32	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 31st July 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 22nd to 28th July 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction	Wind. Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
July	22nd	154·5	4·2	29·580	83·6	88·6	11·5	77·1	79·5	0·954	77·8	83	SSW and WSW ...	160	Nil	Chiefly cloudy, o.
,,	23rd	142·4	4·8	·531	84·6	88·0	8·8	79·2	80·6	·989	78·9	83	SSW and SW ...	153	......	Chiefly cloudy, o.
,,	24th	150·3	4·1	·456	84·6	90·4	11·2	79·2	81·0	1·012	79·6	85	SSW and SW ...	174	0·06	Chiefly cloudy, o, d, ⌓.
,,	25th	139·9	Nil	·452	82·4	88·2	10·3	77·9	79·1	0·953	77·8	86	WSW and SW ...	200	0·78	Cloudy, o, g, d, p, t.
,,	26th	139·4	1·0	·512	82·4	87·4	9·8	77·6	79·6	·975	78·5	88	SW and S ...	152	0·17	Cloudy, o, g, d, p.
,,	27th	147·8	1·1	·520	84·9	89·0	9·3	79·7	81·1	1·008	79·5	84	S by W, SW and S...	100	Nil	Chiefly cloudy, o, g.
,,	28th	150·8	5·5	·533	85·5	90·0	10·3	79·7	79·9	0·948	77·6	78	S, W and SSW ...	112	......	Chiefly cloudy, o, ⌓.

	Inches.
The mean pressure of the seven days	29·512
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·527
	Hours.
The total number of hours of bright sunshine	20·7
The maximum possible number of hours of sunshine	92·6
	°
The mean temperature of the seven days	84·0
The average temperature of corresponding period for 24 years, S. G.'s Office ...	83·1
The extreme variation of temperature	13·3
The maximum temperature	90·4
	Miles.
The highest velocity of the wind in one hour	13
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	84
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	87
	Inches.
The total fall of rain from 22nd to 28th July 1888	1·01
The average fall of the corresponding period for 24 years, S. G.'s Office ...	3·45
The total fall from 1st January to 28th July 1888	24·84
The average fall of the corresponding period for 24 years, S. G.'s Office ...	33·06

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, ⌓ dew.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 30th July 1888.

Meteorological Report of the Province of Benga-

Meteorological Division.	District.	Representative station.	Station Observations. — Air pressure. — Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. — Prevailing direction.	Mean wind velocity.	Temperature. — Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·621	29·633	—	SSW	394	88·7	24th July	79·0	25th & 26th July	83·3	80·4	82·9	—	83·6
		Gopalpore ...	29·586	29·636	+·034	S, SW	477	89·2	26th "	78·3	21st "	85·8	80·4	83·1	+0·8	84·2
		False Point ...	29·596	29·618	+·009	WSW	339	89·5	25th "	75·1	21st "	86·0	77·9	82·0	—1·1	85·7
	Cuttack	Cuttack ...	29·532	29·612	+·009	SW	75	98·9	24th "	77·3	21st "	89·7	78·6	84·2	+0·4	87·1
	Balasore	Balasore ...	29·533	29·592	+·029	SSW	144·1	90·9	25th "	76·2	26th "	87·9	77·5	82·7	+0·4	84·9
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·571	29·597	—·002	SW	60·2	88·2	25th "	78·5	26th "	86·8	80·3	83·6	0	84·0
	Midnapore	Midnapore ...	29·419	29·509	+·028	S	94·3	92·3	24th "	75·3	21st "	88·2	77·5	82·8	—0·6	83·9
	24-Pergunnahs ..., Howrah ... ..., Hooghly	Calcutta ...	29·554	29·575	—·035	SW	158	90·5	25th "	70·2	21st "	86·9	78·1	82·5	—0·6	83·6
	Burdwan	Burdwan ...	29·457	29·556	—·037	SW	78·3	92·6	24th "	71·4	22nd & 23rd July	89·7	76·9	83·3	—1·7	84·2
	Bankoora	Bankoora ..	29·263	—	—	WSW	123	92·1	25th "	75·6	21st "	88·1	77·5	82·8	—	84·2
	Beerbhoom ... ..., West Burdwan	Raneegunge ...	29·225	29·581	+·001	SW	83·0	93·0	24th "	75·9	21st "	87·6	78·1	82·9	—1·9	83·5
	Moorshedabad	Berhampore ...	29·490	29·557	—·035	SSW		91·7	24th "	76·3	21st "	87·5	77·9	82·7	—2·0	82·9
	Nuddea	Krishnaghur...	29·516	29·582	—·002	WSW	123·2	91·8	24th "	75·9	26th "	88·7	77·9	83·3	—0·3	84·1
	Jessore ... ..., Khoolna	Jessore ...	29·547	29·580	—·026	WSW	75·1	93·5	24th "	77·4	21st "	89·2	79·0	84·1	0	83·5
East Bengal.	Chittagong	Chittagong ...	29·564	29·654	—·018	SE	·141	83·1	22nd & 26th July	75·0	21st "	81·7	75·7	78·7	—2·6	79·8
	Chittagong Hill Tracts	Demagiri ...	Observations not received.													
	Backergunge	Barrisal ...	29·589	29·601	+·017	S	119·3	87·8	24th "	76·3	22nd "	85·6	78·2	81·9	0	81·8
	Noakholly	Noakholly ...	29·580	29·624	—	SSW	86·4	85·3	23rd "	76·0	21st "	84·1	77·3	80·7	—	80·8
	Furreedpore	Furreedpore...	29·556	29·593	+·014	Southerly	111	88·5	24th "	76·9	27th "	86·3	78·0	82·2	—1·2	82·4
	Dacca	Dacca ...	29·561	29·584	—·028	SSE	134	91·1	24th "	77·7	21st & 22nd July	86·6	78·7	82·7	—1·0	83·0
	Commillah	Commillah ...	29·571	29·607	—·004	S	174·6	85·9	23rd "	74·8	21st "	84·5	76·6	80·6	—3·0	80·4
	Mymensingh	Mymensingh...	29·540	29·598	—·010	ESE	156·6	88·8	27th "	76·6	21st & 27th July	87·4	78·0	82·7	—0·6	82·2
North Bengal.	Bogra	Bogra ...	29·492	29·555	—	ESE	112·8	89·3	23rd "	76·8	21st, 27th July	87·3	77·9	82·6	—1·5	83·8
	Pubna	Serajgunge ...	29·528	29·575	—·028	ESE	87·4	89·1	25th "	76·7	21st, 27th July	86·4	78·4	82·4	—1·1	83·4
	Rajshahye	Rampore Beauleah.	29·495	29·565	+·004	SE	232·0	89·3	24th "	76·4	27th "	87·3	77·5	82·4	—1·7	83·5
	Maldah	Maldah ...	29·465	—	—	SE	101·5	91·6	24th "	77·3	22nd "	90·8	78·9	84·6	—	84·8
	Dinagepore	Dinagepore ...	29·442	29·560	—·018	ESE	166	91·1	25th "	77·1	21st "	88·6	79·2	83·9	—1·3	85·1
	Rungpore	Rungpore ...	29·461	29·585	—·020	E	117	91·8	25th "	77·7	23rd "	90·7	78·7	84·7	0	84·8
	Julpigoree ... ..., Cooch Behar	Julpigoree ...	29·297	29·583	+·001	E	107·2	90·0	21st, 24th, 25th July	79·3	21st "	88·0	74·8	81·4	—2·6	83·1
	Darjeeling Hill Tracts ...	Darjeeling ...	22·893	—	+·028	E		67·6	24th "	56·7	22nd & 26th July	65·5	57·8	61·7	—1·0	63·5
North Behar.	Purneah ... ..., North Bhagulpore ...	Purneah ...	29·432	29·558	—·037	E	52·3	90·7	24th, "	74·6	22nd, 23rd July	88·1	75·5	81·8	—3·0	83·7
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga ...	29·381	29·547	—0·37	ESE	122	91·4	24th "	79·8	25th, 27th July	89·9	80·2	85·1	+0·5	84·5
	Chumparun	Motihari ...	29·320	29·546	—·020	ENE	186·0	98·2	24th "	77·4	22nd & 27th July	89·1	78·7	83·9	—1·4	83·7
	Sarun	Chupra ...	29·340	29·534	—·011	ESE	128·0	87·5	24th "	77·6	26th, 27th July	84·2	78·7	81·5	—4·1	83·8
South Behar.	Shahabad	Dehree ...	29·163	29·516	—·031	South-westerly.	202·0	90·3	24th "	76·0	25th "	88·0	78·6	83·3	+0·3	83·2
		Buxar ...	29·287	29·527	—·010	E	181·9	89·0	24th "	74·8	25th "	86·6	78·1	82·4	—2·2	83·3
		Arrah ...	29·336	29·532	—·019	ESE	89·4	89·4	21st, 24th & 25th July	76·6	27th "	87·9	78·3	83·1	—2·6	82·3
	Gya	Gya ...	29·147	29·522	—·068	Calm	80·9	90·4	25th "	76·8	22nd "	88·8	77·9	83·4	—1·9	85·5
	Patna	Bankipore ...	29·359	29·543	—·036	ESE	97·5	89·9	25th "	76·7	26th "	87·7	78·4	83·1	—2·4	82·8
	South Bhagulpore ..., Monghyr	Bhagulpore ...	29·380	29·542	—·010	E	69	89·4	21st, 23rd & 24th July	77·0	21st "	87·4	78·6	8·30	—1·8	83·4
	Sonthal Pergunnahs ...	Doomka ...	29·045	—	—	Variable	218·2	90·6	24th "	75·6	21st "	86·9	77·5	82·2	—	82·6
Chota Nagpore.	Hazaribagh	Hazaribagh ...	27·570	29·565	—·015	SW	272·5	85·9	24th "	71·7	25th "	83·0	73·0	77·5	—1·4	77·5
	Lohardugga ... ..., Manbhoom	Ranchee	27·449	29·555	—·010	SW	170·0	86·5	24th "	70·9	21st "	81·6	72·4	77·5	—0·3	77·8
			28·803	—	—	SW	88·0	91·9	24th "	74·3	21st "	86·2	76·4	81·3	—	81·8
	Singhbhoom	Chyebassa ...														
Assam.	......	Sibsagar ...	29·395	29·657	—·011	NE	63	94·6	24th "	76·5	25th "	91·5	78·0	84·8	+0·4	82·8
	......	Dhubri ...	29·477	29·593	—·001	Calm	166·1	88·2	22nd & 25th July	77·3	22nd "	86·5	78·6	82·6	—1·6	82·3
	......	Silchar ...	29·534	29·639	—·043	Calm	58	93·5	21st "	76·2	21st "	90·9	77·3	84·1	+0·6	81·6

Explanation.—*Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years.
The *humidity* of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the last 12 stations in the district sendin g in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 27th of July 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	District Observations. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of Month. Mean for district.	Since 1st of Month. Normal mean.	Since 1st of Month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
90	5·3	0·78	—	2·90		10·84			21·05			3·3	Pooree	Pooree	Orissa.
80	4·4	0·33	—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
77	9·1	4·28	—	—	—	—	—	—	—	—	—	—	False Point ...		
67	7·7	0·50		2·87		11·17			23·93			4·3	Cuttack ...	Cuttack	
83	6·9	1·68		3·04		11·09			23·15			4·1	Balasore ..	Balasore	
84	9·3	1·64	2·68	3·44	6·68	12·88	−6·20	10·75	24 94	−14·19	4·3	4·6	Saugor Island ...	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
80	5 1	2·02	2·29	2·82	12·42	10 67	+1·75	19·87	22·15	−2·28	4·0	4·0	Midnapore ...	Midnapore	
80	8·9	1·74	2·07	3·23	11·31	10·33	+0·98	21·16	22 87	−1·71	3·5	5·2	Calcutta ...	24-Pergunnahs... ...; Howrah ... ...; Hooghly	
77	8·7	2·52	3·46	2·46	12·41	8 58	+3·83	21 03	20·10	+0·93	4·0	4·3	Burdwan ...	Burdwan	
79	8·0	3·08	3·10	2·47	13·15	10·23	+2·92	23·42	23·00	+0·42	3·8	4 8	Bankoora ...	Bankoora	
82	8·6	4 41	3·77	2·76	11 04	10·42	+0·62	19·57	23·33	−3·76	5 3	4·7	Raneegunge ...	Beerbhoom ... ...; West Burdwan ...	
89	9·0	3·72	5·38	1 91	11·41	9·05	+2·36	19·02	21·47	−2·45	5·0	4·1	Berhampore ...	Moorshedabad	
81	8·9	9·21	6·13	2·08	15·03	8·47	+4·56	19 24	21·70	−2·46	5·2	4·1	Krishnaghur ...	Nuddea	
90	9·4	5·42	3·97	2·42	10·84	9·09	+1·75	18·58	24·80	−6·22	5·5	4·7	Jessore ...	Jessore ... ...; Khoolna	
93	8·6	16·31		6·67		25·12			60 04			6·0	Chittagong ...	Chittagong	East Bengal.
				4 50		14·50			38·74			5·7	Demagiri ...	Chittagong Hill Tracts	
91	9·3	0·07	4·63	3 85	14·81	15·03	−0·22	23·39	38·13	−14·74	6·2	5·9	Barrisal ...	Backergunge	
91	10·0	8·54	14·03	5·15	26·39	19·43	+6 96	40·06	51·51	−10·85	7 0	5·8	Noakholly ...	Noakholly	
90	6·4	5·71	5·59	2·54	11·36	9·14	+2·22	21·88	26·03	−4·15	6·0	4·7	Furreedpore ...	Furreedpore	
89	8·4	6·30	8·14	2·68	14·51	11·21	+3 30	28·64	28·15	+0·40	6·3	4·8	Dacca ...	Dacca	
91	8·1	8·31	4·93	2·97	9·79	11·36	−1·57	28·41	32·24	−3·83	6·0	5 2	Commillah ...	Commillah	
88	9·1	3·30	3·38	2 71	9·83	10·37	−0·54	36 65	31·96	+4·69	6·0	4·6	Mymensingh ...	Mymensingh	
85	9·4	2·87	3·27	2·44	8·62	10·56	−1·94	23·67	27·78	−4·11	5·0	4 0	Bogra ...	Bogra	North Bengal.
90	7·7	2 05	4·07	1·72	10·70	8 28	+2·42	23·12	23·26	−0·14	5·5	4·4	Serajgunge ...	Pubna	
87	6·0	3·61	5·10	1·82	10·70	10 01	+0·69	17·41	23·33	−5 92	6·0	3·7	Rampore Beauleah	Rajshahye	
87	6·1	3·83	3·71	1·63	10·27	9·79	+0·48	14·19	24·47	−10·28	6·0	4·2	Maldah ...	Maldah	
81	8·7	3·29	3·54	2·08	11·28	10 63	+0·65	24·05	28·84	−4·79	5·2	4·0	Dinagepore ...	Dinagepore	
83	3·4	0·82	1·58	2 50	9·49	12·09	−2·60	35·83	40·79	−4·96	3·8	3·9	Rungpore ...	Rungpore	
85	8·3	5·07	3·34	4·01	21·05	18·00	+3·05	58·17	57·76	+0·41	4·8	4·6	Julpigoree ...	Julpigoree ... ...; Cooch Behar	
97	10·0	8·57	7·02	4·98	33·21	27·60	+5·61	58·62	63·45	−4·83	6·5	5·7	Darjeeling ...	Darjeeling Hill Tracts	
87	5·7	3·56	3·98	2·08	16·25	11·95	+4·30	27·23	26·59	+0·64	5·2	3·8	Purneah ...	Purneah ... ...; North Bhagulpore ...	North Behar.
			6·36	2 27	10·27	9·85	+6·42	23·35	18·69	+4·66	4·7	3·1	Mozufferpore ...	Mozufferpore	
88	7·3	8·12	5·61	2·30	13·34	9·86	+3·48	22·15	19·36	+2·79	4·0	3 2	Durbhunga ...	Durbhunga	
83	8·4	3·00	5·32	2·30	12·59	10·44	+2·15	22·28	19·95	+2·33	3·0	2·6	Motihari ...	Chumparun	
86	6·9	4·41	3·35	2·76	10·94	10·42	+0 52	15·02	18·02	−3·00	4·7	3·5	Chupra ...	Sarun	
84	5·4	1·44											Dehree ...		South Behar.
84	8·9	2·26	2·75*	2 78	13·17	9·39	+3·78	15·15	15·28	−0·13	4·2	4·1	Buxar ...	Shahabad	
89	9·3	3·06											Arrah ...		
73	8 6	3·21	3·14	2·71	11·76	9·61	+2·15	14·58	16 63	−2·05	4·8	3·7	Gya ...	Gya	
87	10·0	4·87	6·95	2·73	16·68	9·79	+6·89	20·14	17·46	+2·68	5·3	3·7	Bankipore ...	Patna	
86	5·9	6·48	6·38	2·56	14·79	9·19	+5·60	19·00	17·77	+2·77	5·4	4·1	Bhagulpore ...	South Bhagulpore ...; Monghyr	
84	6·6	2·14	4·25	2·50	13·18	10 27	+2·91	19·63	21·65	−2·02	5·7	4·2	Doomka ...	Sonthal Pergunnahs...	
87	10·0	4·15	4 15	3·09	16·49	11 37	+5·12	19·42	21·28	−1·86	5·4	5·4	Hazaribagh ...	Hazaribagh	Chota Nagpore.
84	9·1	28·7	3·61	2·53	16·06	10·56	+5·50	20·21	20·38	−0·17	6·0	4 8	Ranchi ...	Lohardugga	
			2·60	2·53	12·02	9·90	+2·12	16·41	19·73	−3·32	5·5	5·0		Manbhoom	
81	8·9	3·67	2 07	3·76	10·63	12 20	−1·57	15·74	23·09	−7·35	3·0	4·9	Chyebassa ...	Singbhoom	
91	9·7	6·63											Sibsagar	......	Assam.
87	8·9	0·87											Dhubri	......	
81	9·4	4·12											Silchar	......	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional

* Buxar 2·75.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 27th of July 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 21st July.	Sunday, 22nd July.	Monday, 23rd July.	Tuesday, 24th July.	Wednesday, 25th July.	Thursday, 26th July.	Friday, 27th July.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	0·02	......	0·51	......	0·15	......	3	0·68	3·51	9·33	9·70	18·79
		Khurdah ...	0·57	0·98	0·30	0·52	......	0·50	......	5	2·87	7·39	11·67	12·37	23·28
		Banpur ...	......	0·56	1·06								9·94		18·31
		False Point ...	......	0·14	0·69	1·79	1·33	0·31	......	5	4·26	16·40	12·62	20·26	23·84
		Gop ...											?		?
		Pipli ...	......	......	0·50								?		
	Cuttack ..	Jagatsingpore											9·36		18·02
		Banki ...	0·58	0·07	0·47	0·01	0·01						11·37		23·83
		Cuttack ...	0·25	0·23	0·04		0·06						11·76		26·09
		Kendrapara ...	0·66	0·06	0·05	0·05	0·85	1·48	......	6	3·15	6·47	10·84		21·70
		Jajpore ...	0·32	......	......	0·06	1·30	0·36	......	4	2·04	7·03	12·52	12·43	24·93
		Dharmsalla ...				0·40	0·10						?	12·43	?
		Salipore ...											?		
	Balasore ...	Chandbali ...											10·08		20·24
		Bhuddruck ...	......	......	......	......	1·18	0·32	0·09	3	1·59	9·33	9·94	17·13	21·93
		Sorah ...	......	......	0·04	......	0·43	......	......	1	0·47	7·82	10·45	16·23	20·39
		Balasore ..	0·15	......	0·44	0·52	0·62	0·30	......	5	2·03	7·55	11·79	14·21	23·12
		Jellasore ..	......	0·33	......	......	2·40	......	......	2	2·73	12·03	12·59	23·18	23·27
		Baripodah ...	0·96	......	0·06	1·24	0·41						11·67		23·85
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	0·09	......	......	1·50	2·37	0·23	......	4	4·19	7·63	12·68	12·53	24·28
		Saugor Island	0·05	......	0·04	......	0·13	1·21	0·15	5	1·63	5·41	13·41	9·46	25·91
		Tumlook ...	......	......	......	......	1·40	0·50	1·90	3	3·80	14·10	9·09	20·80	21·37
		Midnapore ...	0·14	......	......	0·07	1·35	0·16	......	4	1·72	14·22	10·39	21·25	21·11
		Ghattal ...	0·09	......	......	0·09	0·39	0·32	0·47	5	1·36	8·92	11·93	17·52	23·96
		Kykrahaty ...	......	......	......	1·68	1·02	0·40	......	3	3·79	12·69	?	19·12	?
		Heria ...	0·11	......	......	1·13	2·60	0·25	......	4	4·09	10·84	?	17·20	?
		Bhagwanpore	0·38	......	......	......	1·41	0·49	......	3	2·28	8·09	?	15·59	?
		Garbeta ...	0·08	......	......	0·12	1·35	0·76	0·67	5	2·98	16·81	?	23·77	?
	24-Pergunnahs	Diamond Harbour ...	0·06	......	......	0·18	0·39	1·00	......	4	2·23	6·83	12·53	10·29	24·62
		Canning Town	0·48	......	......	......	1·21	0·61	......	3	2·30	11·81	?	17·71	?
		Alipore Jail ..	0·12	......	......	0·04	0·38	0·42	......	4	0·96	8·68	11·19	15·49	23·99
		Barrackpore...	......	......	......	......	2·05	0·65	......	2	2·70	12·00	9·97	21·95	22·75
		Dum-Dum ...	0·14	......	......	......	2·56	0·12	......	3	2·82	9·59	9·74	18·15	22·52
		Baraset ...	0·23	......	......	......	0·69	0·57	......	3	1·49	12·95	8·99	25·02	21·38
		Buseerhat ...	0·32	0·35	......	0·35	0·51	1·53	......	5	3·06	12·75	10·42	22·85	25·03
	Howrah ...	Howrah ...	0·09	......	......	0·08	0·68	0·44	......	4	1·29	9·52	10·21	18·95	22·03
		Mohesreka ... (*Ooloberiah.*)	0·15	......	......	......	0·47	......	......	2	0·62	9·11	11·37	15·94	23·00
	Hooghly ...	Serampore ...	0·04	......	......	0·18	2·38	0·46	......	4	3·06	13·61	10·47	22·00	22·34
		Hooghly ...	0·02	......	......	0·02	1·27	0·67	0·42	5	2·40	12·94	10·41	27·76	22·26
		Jehanabad ...	......	0·26	......	......	1·62	0·43	......	3	2·31	12·95	10·41	23·41	22·51
	Burdwan ...	Culna ...	......	......	......	0·10	1·89	3·64	......	3	5·63	14·85	8·72	23·17	19·39
		Burdwan ...	0·20	......	......	0·02	0·12	1·65	0·08	5	2·07	11·81	9·02	18·40	20·15
		Cutwa ...	......	......	......	0·88	1·18	0·53	0·05	4	2·69	10·57	8·02	21·53	20·75
		Raneegunge ...	0·02	0·41	......	0·77	0·22	2·00	0·34	6	3·76	15·60	11·38	25·09	21·23
		Mankur ...	......	......	......	0·62	0·39	0·92	0·42	4	2·35	16·87	?	20·50	?
	Bankoora ...	Bankoora ...	0·08	......	......	......	0·11	2·40	......	3	3·59	10·95	10·24	21·90	21·87
		Bisheapore ...	......	......	......	0·05	0·32	1·46	0·52	4	2·35	12·75	9·62	19·01	21·91
		Maliara ...	......	......	......	1·13	0·10	2·49	0·84	4	4·56	13·53	10·98	23·10	21·56
		Khatra ...	0·30	......	......	......	0·70	1·74	0·17	4	2·91	14·39	10·08	24·68	23·55
		Indas ...	0·05	......	......	......	0·60	0·75	0·20	4	1·60	10·17	?	18·03	?
		Kotalpore ...	......	0·07	......	0·23	0·78	1·00	......	4	2·08	8·47	?	15·89	?
		Anda ...	0·16	......	......	......	1·30	1·62	0·26	4	3·34	11·56	?	15·08	?
		Gangajalghati	......	......	......	0·67	......	1·74	0·53	3	2·94	13·76	?	23·17	?
		Raipore ...	......	......	......	1·85	0·15	1·05	0·07	4	3·12	12·71	?	21·05	?
		Sonamukhi ...	0·05	......	......	2·50	0·14	2·26	0·04	5	4·99	15·46	?	23·29	
	Beerbhoom .	Bh. Soory ...	0·64	0·02	......	0·12	0·18	0·44	0·12	6	1·52	7·79	10·14	15·41	22·79
		Hetampore ...	......	......	2·06	1·26	0·33	......	0·27	4	3·92	9·70	11·87	16·31	24·90
		Rampore Haut	0·23	......	......	1·30	2·70	0·95	0·68	5	5·86	10·88	8·30	20·46	20·32
		Bolpore ...	0·33	0·05	......	3·55	2·16	1·31	......	5	7·40	13·96	?	21·48	?
		Murarai ...	......	......	......	5·50	4·55	1·15	......	3	11·20	20·03	?	?	?
	Nuddea ...	Ranaghat ...	0·03	......	......	......	0·35	3·62	0·09	4	4·08	14·18	8·76	20·40	21·23
		Kishnaghur ...	......	0·05	0·01	2·48	5·78	......	0·52	5	8·84	13·02	8·42	22·24	19·94
		Choadanga ...	0·18	0·10	......	0·90	4·00	0·60	1·30	6	7·08	12·94	8·51	19·22	22·30
		Meherpore ...	0·21	......	......	......	3·17	1·80	0·33	4	5·51	11·97	7·91	19·54	20·90
		Kooshtea ...	0·31	0·08	0·17	0·28	1·36	2·76	0·18	7	5·14	12·18	8·77	14·71	24·13
	Khoolna ..	Satkhira ...	0·90	0·02	......	......	0·42	0·83	0·14	5	2·31	11·21	10·36	16·47	25·83
		Bagirhat ...	0·55	0·70	......	0·90	......	0·28	......	4	2·43	12·10	11·81	19·80	29·32
		Khoolna ...	1·28	......	0·21	1·00	0·72	1·88	0·66	6	5·75	14·53	9·22	20·67	24·94
	Jessore ..	Narail ...	0·55	0·27	......	0·05	0·21	0·96	0·15	6	2·19	6·58	7·25	12·04	21·38
		Jessore ...	0·47	0·65	0·08	0·06	0·44	3·12	0·95	7	5·17	13·00	9·31	24·04	25·53
		Jhenidah ...	0·70	......	0·41	0·10	1·54	0·75	0·06	6	3·56	9·08	8·13	17·59	24·42
		Magoorah ...	0·25	0·10	1·00	......	1·02	0·55	0·42	6	3·34	7·90	8·45	19·95	24·35
		Bongong ...	0·30	......	......	0·10	0·50	5·60	......	4	6·40	12·32	9·13	17·03	22·58
	Moorshedabad	Kandi ...	......	......	......	3·75	2·65	0·80	......	3	7·20	14·98	10·05	23·86	22·16
		Berhampore ...	0·08	......	......	0·09	0·37	2·70	0·07	5	3·31	8·00	8·72	14·08	21·10
		Lalbagh ...	0·31	......	......	1·42	0·93	1·23	0·90	5	4·79	11·59	8·51	18·28	21·03
		Azimgunge ...	0·10	0·10	......	1·00	4·30	1·55	1·20	6	8·75	14·98	8·28	23·19	21·12
		Jungipore ...	0·47	......	1·14	0·11	0·13	1·76	0·40	6	4·01	8·80	9·11	16·05	20·84
		Lalgola ...	......	0·35	......	......	1·52	1·60	0·75	4	4·22	10·00	9·65	18·05	22·52
		Akhriganj ...	0·19	0·02	0·14	0·51	1·21	3·02	0·97	7	6·06	14·63	?	23·12	?
		Patkabari ...	......	......	2·30	3·10	1·60	......	......	3	7·00	12·71	?	25·25	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	2·95	1·08	2·55	3·59	5·95	3·11	2·35	7	22·47	51·22	32·91	72·97	72·72
		Chittagong ...	0·55	3·42	1·89	2·70	2·17	6·59					17·34		47·30
		Kutubdia ...	0·78	2·66	1·13								?		
		Satkanya ...	0·46	4·07	2·30	2·76	0·98	3·38					?		?
	Chittagong Hill Tracts.	Rangamati ...	0·51	1·31	1·03	0·50	1·95	1·95	0·16	7	6·51	11·83	15·40	26·14	38·32
		Ruma ...											13·50		38·68
	Backergunge	Patuakhally ..	1·45	0·75	......	3·65	0·10	0·95	2·00	6	8·90	22·88	17·49	31·76	44·31
		Perozepore ...	0·59	0·23	0·26	0·11	0·08	0·10	0·78	7	2·10	12·91	13·16	23·31	33·03
		Burrisal ...	0·44	1·80	0·05	0·60	0·04	0·98	1·42	7	5·31	14·85	12·89	22·59	33·56
		Bhola ...	0·37	0·36	0·69	0·18	0·17	0·18	0·45	7	2·20	8·59	16·57	15·90	41·59

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 27th of July 1888—contd.

Meteorological Division.	District.	Station.	Rainfall: Saturday, 21st July.	Sunday, 22nd July.	Monday, 23rd July.	Tuesday, 24th July.	Wednesday, 25th July.	Thursday, 26th July.	Friday, 27th July.	Total: Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL —concld.		*Gournaddi* ...	0·99	0·17	0·15	0·48	0·50	1·23	2·16	7	5·68	15·27	?	24·86	?
		Bauphal ...	1·75	0·27	0·11	1·81	0·13	0·61	0·81	7	5·49	29·89	?	28·84	?
	Noakholly	Noakholly ...	1·22	0·43	0·41	0·90	2·66	1·88	1·56	7	9·06	24·40	19·22	39·19	49·97
		Fenny ..	2·74	0·40	3·55	2·18	5·02	2·60	2·50	7	18 99	28·37	19·63	42·11	53·01
		Harishpore ...	0·92	1·12	3·15	4·12	4·35						?		?
		Ramganj ...	0·64	0·48	0·31	3·16	1·22	0·43					?		?
	Furreedpore	Madaripore ...	......	......	0·27	0·97	1·12	1·60	0·60	5	4·56	11·20	9 59	20·71	27·18
		Furreedpore ...	0·40	0·66	0·10	1·50	1·13	0 59	3·87	7	8·24	13·36	8·77	23·86	24·31
		Goalundo ...	0·86	......	0·10	0·06	0·80	1·10	1·06	6	3·98	9·53	9·06	21·07	24·62
	Dacca ...	Mun-higunge	0·57	......	0·20	0·22	2·78	3·12	1·64	6	8·53	16·53	12·81	30·08	31·16
		Dacca ...	0·52	0·37	......	1·27	2·34	1·42	0·60	6	6·42	10·10	10·62	22·34	28·10
		Naraingunge	0·09	0·21	0·46	0·04	1·90	4·30	3·61	7	11·11	19·07	12·38	35·86	28·82
		Manickgunge	0·31	0·04	0·59	......	1·87	1·00	2·22	6	6·46	12·28	9·00	23·57	22·78
		Joydebpore ...	1·06	0·02	1·35	0 25	3·45	1·06	10·02	7	7·81	11·81	.	31·94	?
	Hill Tipperah Tipperah	Agartola ...	0·10	0·12	0·45	0·09	......	1·30	0·83	6	2·89	6·37	9·17	29·51	27·93
		Comilla ...	0·85	0·65	0·52	0·80	0·65	3·00	2·52	6	8·99	12·61	13·31	25·21	34·48
		Chandpore ...	0·53	1·13	0·54	0·80	2·64	0·71	0·10	7	6·47	15·18	13·06	24·33	35 28
		Brahmunberia	0·10	......	0·27	......	0·22	0·46	0·83	5	1·38	5·00	9 30	32 59	28·88
		Ramchandra-pore.	0·30	0·51	0·15	0·55	0·44	3·75	2·48	7	8·18	14·15	?	30·63	?
		Nasirnagar ...	......	......	......	0·80	......	......	0·35	2	1·15	3·60	?	25·38	?
		Daudkandi ...	0·36	0·12	......	......	1·38	3·42	1·73	5	7·31	15·98	?	29 41	?
		Kasba ...	0·32	0·24	0·41	......	0·29	1·06	0·75	6	3·09	6·54	?	29·75	?
		Laksham ...	0·14	2·12	6·45	0·76	0·04	1·25	2·95	7	14 31	30·61	?	33·03	?
	Mymensingh	Kishoregunge	0·04	0·33	0·22	1·15	0·08	0·35	0·04	7	2·21	7·57	10·42	47·40	31·39
		Atia (*Tangail*)	0·28	......	......	......	0·45	0·53	0·48	4	1·72	6·93	8·66	17·23	25·44
		Mymensingh	0·50	0·21	0·41	......	0·39	0·17	1·45	6	3·33	8·42	12·30	36·10	37·24
		Jamalpore ...	0·16	0·07	2·82	......	0·38	0·46	1·28	6	5·17	10·41	10·12	34·08	29·36
		Netrokona ...	0·51	0·37	0·20	0·21	1·18	0·51	1·60	7	4·48	15·80	10·36	47·74	33·34
		Subornakhally	0·57	......	......	0·16	0 30	......	2·20	4	3·23	10·03	?	31·09	?
		Durgapore ...	1·30	......	0·20	0·20	1·30	1·10					?		?
		Dewanganj ...	0·13	......	3·59	......	0·29	......	2·11	4	6·12	11·60	?	32·67	?
NORTH BENGAL.	Pubna	Pubna ...	0·12	0·04	......	0·13	2·17	3·35	0·10	6	5·91	12·75	7·89	21·43	22·44
		Serajgunge ...	0·50	......	......	0·05	0·36	0·27	1·05	5	2·23	8·64	8·63	24·79	24·01
	Bogra	Sherpore ...	0·55	......	0·06	0·42	0·07	0·52	1·58	6	3·17	7·34	10·89	17·64	27·85
		Nowkhilla ...	0·49	0·10	......	......	0·02	0·20	2·36	5	4 16	10·89	9·11	30·13	25·77
		Bogra ...	0·27	0·65	......	0·30	......	1·34	0·40	5	3·05	7·93	11·33	21·94	31·47
		Panchbibi ...	......	0·25	......	......	0·84	0·85	0·75	4	2·69	9·22	10·88	25·00	26·97
	Rajshahye	Beauleah ...	0·47	0 14	0·01	......	0·03	2·84	0·58	6	4·05	6·33	9·91	10·39	23·68
		Nattore ...	0·50	2·70	0·20	......	0·55	0·60	1·60	6	6·15	15·10	10·09	24·41	23·93
		Naogaon ...	0·53	1·05	......	......	......	2·92	1·22	4	6·32	9·55	?	17·34	?
		Lalpore ...	0·22	......	0·29	0·75	1·05	2·90	......	5	5·21	8·48	?	14·90	?
		Manda ...	......	0·75	......	......	......	1·11	0·63	3	2·40	5·65	?	10 58	?
	Maldah ...	Maldah ...	0·65	0·21	......	0·04	0·03	2·15	0·75	6	3·83	13·20	0·53	15·82	23·21
		Chanchal ...	0·30	0·35	0·50	0·06	1 73	0·70	......	6	3·59	7·34	10·05	12·53	25·73
		Gajol ...	0·50	......	......	......	1·20	0·52	0·50	4	2·72	9·72	?	14·81	?
		Sibganj ...	0·21	0·05	......	1·59	0·06	2·30	0·42	6	4·63	14·94	?	20·75	?
	Dinagepore ...	Mohadebpore	0·83	0·01	......	......	0·83	1·70	0·02	5	3·39	9·65	10·18	16·83	27 41
		Churamon ...	0·16	0·15	......	0·07	2·61	0·57	......	5	3·56	10·10	10·19	16·77	20·31
		Raigunge ...	......	2·89	......	0·07	1·11	0·40	0·59	5	5·06	16·54	10 00	29·22	29·74
		Dinagepore ...	0·12	0 11	......	0·03	2·19	0·87	0·33	6	3·65	12·66	11·72	35·24	33·42
		Baloorghat .	0·12	0·62	......	......	0·21	0·64	0·45	5	2·04	7·44	10·48	22·18	27·51
		Thakoorgaon	......	0·24	0·71	0·06	1·53	0·43	0·85	6	3·82	15·31	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	0·07	......	0·27	......	......	0·42	0·62	4	1·38	6·02	9·63	26·79	31·05
		Rungpore ...	......	0·37	......	......	0·30	0·15	0·07	4	0·89	7·71	14·39	29·61	41·07
		Kurigram ...	......	......	......	......	1·05	......	0·92	2	1·97	11·95	11 72	40·89	41·02
		Bagdogra (*Nilphamari*).	......	0·02	......	0·45	0·98	0·50	0·13	5	2·08	12·28	12·40	36·99	47·12
		Ulipore ...	......	......	......	......	0·29	......	......	1	0·29	5·01	?	31·27	?
	Julpigoree ...	Julpigoree ...	......	0·72	......	0·89	2·63	0·45	0·34	5	5·25	34·54	23·69	67·49	59 75
		Alipore Doar	0·07	......	0·15	1·32	0·18	......	1·02	5	2·74	16·14	?	53·42	?
		Fallacotta ...	0·41	0·39	......	0·63	1·22	0·06	0·47	6	3·03	25·44	?	59·24	?
		Debiganj ...	......	0·01	0·07	......	3·81	0·16	0·17	5	4·22	14·28	?	46·73	?
	Cooch Behar..	Dinhatta ...	......	0·31	0·51	......	0·34	0·16	1·09	5	2·41	13·48	11·17	57·38	45·92
		Cooch Behar...	......	......	......	......	0·99	0·15	1·25	3	2·39	19·88	19·76	62·16	65·48
		Mickligunge...	......	......	......	0·22	0·84	1·25	0·28	4	2·59	20·23	17·40	54·45	54·22
		Matabhanga...	0·03	0·23	0·06	2·24	0·26	0·25	0·98	7	4·04	17·11	17·91	49·42	60·43
	Darjeeling Hill.	Buxa ...	0·92	0·08	1·63	1·65	0·00	......	0·34	6	5·52	25·95	44·03	85·79	103·53
		Silliguri ...	0·54	0·65	0·48	0·65	1·26	0·50	0·55	7	4·63	26·02	21·72	54·46	55 33
		Darjeeling ...	2·42	0·14	0·08	0·78	2·15	0·70	3·06	7	9·33	36·05	25·08	49·11	53·59
		Kalimpong ...	2·09	0·02	......	0·79	1·56	1·61	2·53	6	8·60	29 03	15·88	33·37	41·20
NORTH BEHAR	Purneah ..	Kissengunge..	......	0·07	......	1·35	2·05	0·19	0·16	5	3·82	16·27	14·02	32·02	34·11
		Arrareah ...	......	0·27	1·35	1·29	0·41	0·04	0·35	6	3·71	17·04	13·92	30·93	30·15
		Purneah ...	0·31	0·52	......	0·58	1·34	0·51	......	5	3·56	15·99	11·74	[illegible]	26 38
		Gondwara ...	0·20	0·50									?		?
		Balarampore .	......	0·60	......	......	2·10	......	1·60	3	4·30	16·68	?	?	?
		Matiari ...	0·40	......	......	3·00	0·20	0·30	......	4	3·90	16·38	?	28·33	?
		Kaliaganj ...	0·02	0·38	0·19	2·12	2·93	0·52	0·07	7	6·23	20 60	?	40·11	?
	North Bhagulpore.	Maddapore ...	0·25	0·16	......	0·04	1·56	3·01	1·55	6	6·57	17·20	10·10	28·25	21·27
		Soopool ..	......	0·18	......	......	0·45	1·00	0·60	4	2·23	14·76	9 35	[illegible]	21·05
		Protabganj ...	......	......	......	0·61	0·71	0·31	0·09	4	1·72	14·15	?	22 63	?
	Durbhunga .	Tajpore ...	......	......	......	......	2·89	2·40	0·34	3	5·63	13·06	10 33	19·43	19·07
		Durbhunga ...	0·11	0·07	......	......	5·68	2·21	0·05	5	8·12	14·59	10·18	22·37	19·55
		Madhubani ...	0·28	......	......	......	0·69	1·12	1·00	4	3·09	14·36	9·08	24·6[illegible]	19·45
		Bahera ...	0·50	......	......	......	3·02	2·55	0·20	4	6·27	16·97	?	26·75	?
		Roshera ...	......	0·01	......	1·50	2·85	1·50	0·20	5	6·06	11·98	?	16·32	?
	Mozufferpore	Sitamarhi ...	......	......	......	......	1·60	3·00	0·10	3	4·70	15·05	9·40	23·83	18 94
		Mozufferpore	......	0·15	......	0·05	2·00	1·48	1·57	5	5·25	16·34	10 20	25·48	19 37
		Hajipore ...	0·02	1·02	0·12	......	2·13	5·37	0·46	6	9·12	16·80	9·34	21·18	17 87
		Paru ...	......	......	......	2·55	0 62	4·50	......	3	7·67	12·44	?	18·30	?
		Mahua ...	0·12	0·50	0·11	0·07	3·05	3·10	0·50	7	7·45	12·80	?	15 69	?
		Bhahar ...	......	......	......	1·85	1·05	0·35	......	3	3·25	7·05	?	13·37	?
		Pupri ...	0·15	......	......	......	2·50	2·00	0·40	4	5·05	13·01	?	11·83	?
	Chumparun ...	Motihari ...	......	......	......	0·21	2·10	1·90	......	3	4·21	9·33	9 29	19·04	19·59
		Bettiah ...	......	......	......	2·02	2·23	2·18	......	3	6·43	15·31	11·53	23·51	21·26
		Bagaha ...	......	......	......	1·50	3·19	2·60	0 16	4	7·45	15·61	?	30·52	?
		Burhurwa ...	......	......	......	1·06	0·95	3·13	0·06	4	5·20	11·47	?	19·69	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 27th of July 1888—*concld.*

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 21st July.	Sunday, 22nd July.	Monday, 23rd July.	Tuesday, 24th July.	Wednesday, 25th July.	Thursday, 26th July.	Friday, 27th July.	Number of rainy days.	Rainfall of week.				
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge ...	......	......	......	0·44	......	2·30	0·11	3	2·85	9·36	10·02	14·95	18·72
		Sewan ...	......	0·29	0·30	......	......	1·66	0·25	4	2·50	9·81	10·19	13·35	18·18
		Chuprah ...	0·02	0·48	0·16	2·77	0·09	0·97	0·22	7	4·71	13·64	10·15	16·79	17·15
SOUTH BEHAR	Shahabad	Buxar ...	0·61	0·19	......	2·86	0·11	0·06	0·04	6	3·87	10·92	8·91	14·31	14·51
		Dehree ...	0·35	......	......	0·99							9·09		14·20
		Bhuboosh ...	......	......	......	......	0·90	......	......	1	0·90	11·07	10·28	12·94	16·14
		Sasseram ...	0·34	......	1·37	0·75	......	0·90	0·40	5	3·76	13·15	9·38	14·10	15·17
		Arrah ..	0·20	0·07	0·45	2·10	0·10	0·19	1·25	7	4·36	15·76	9·34	17·02	16·46
		Mohania ...	......	......	......	0·30	......	......	0·50	2	0·80	8·23	?	11·43	?
	Gya ..	Aurungabad...	0·13	......	......	2·24	0·07	......	......	3	2·44	18·39	9·73	21·52	16·85
		Gya ...	0·50	0·11	......	2·09	0·24	0·10	0·58	6	3·62	9·32	10·08	12·61	17·65
		Nowadah ...	1·07	0·84	......	0·14	0·74	1·83	......	5	4·62	10·29	9·13	12·15	16·08
		Jehanabad ...	......	0·43	......	0·05	0·18	0·55	0·65	5	1·86	8·98	9·44	11·96	15·84
		Arwal ...	......	0·12	......	1·11	0·06	......	0·48	4	1·77	9·05	?	11·32	?
		Daudnagar ...	......	0·70	......	2·00	0·04	......	......	3	2·74	13·57	?	14·27	?
		Sherrghati ...				1·00							?		?
		Rajauli ...											?		?
		Pakri Barawan	......	......	0·19	1·75	2·00	0·30	......	4	4·24	9·40	?	10·70	?
	Patna ..	Patna ..	0·09	0·32	0·74	......	0·50	3·15	0·19	6	4·99	14·11	9·56	17·73	18·01
		Dinapore ..	0·03	0·21	0·90	......	0·45	2·82	0·35	6	4·75	16·37	9·78	21·93	17·54
		Behar ..	......	......	......	1·88	1·21	2·56	......	3	5·65	17·82	9·84	19·89	17·78
		Barrh ...	0·20	1·00	......	0·12	5·90	5·10	0·10	6	12·42	18·42	10·01	21·02	16·52
		Bickram ...	......	0·25	......	1·40	......	0·30	0·45	4	2·40	9·05	?	11·55	?
		Hilsa ...	0·13	0·07	......	0·20	1·78	2·70	0·08	6	4·96	12·32	?	15·32	?
	Monghyr	Begooserai ..	0·11	0·38	......	0·13	1·57	6·50	0·24	6	8·93	14·54	8·62	17·73	16·33
		Monghyr .	0·26	0·07	0·23	......	2·27	4·67	0·38	6	8·48	20·29	9·39	24·49	17·62
		Jamui ...	......	1·12	......	0·61	1·81	0·54	......	4	3·62	10·72	10·43	15·28	18·32
		Gogri ...	1·15	......	0·40	1·30	1·75	2·15	......	5	6·75	20·02	?	25·54	?
		Sheikpura ...	......	......	......	0·15	2·05	5·10	......	3	7·30	16·96	?	21·20	?
	South Bhagulpore	Bhagulpore ...	0·45	......	0·60	......	4·00	1·47	0·05	5	6·57	19·16	8·74	25·16	18·09
		Banka ..	0·03	0·33	2·35	......	0·11	1·21	0·25	6	4·28	9·22	8·79	12·30	18·48
		Kolgong ..	0·59	......	0·78	......	1·50	2·12	1·66	5	6·65	15·92	?	24·60	?
	Sonthal Pergunnahs	Rajmehal ...	1·32	0·20	0·46	0·21	0·56	1·06	......	6	3·81	11·11	10·57	15·78	23·93
		Godda ..	0·01	0·01	0·41	0·28	2·41	3·34	0·13	7	6·59	12·10	8·69	19·83	17·91
		Pakour .	1·23	......	0·05	0·54	2·99	0·98	0·11	6	5·92	18·26	10·71	25·86	24·28
		Nya Doomka	0·31	0·01	......	0·57	0·81	0·21	0·01	6	1·92	8·86	10·19	14·11	21·31
		Deoghur ...	0·39	0·15	0·04	......	2·53	0·26	0·28	6	3·65	15·60	10·91	21·01	21·28
		Jamtara ...	0·24	......	......	3·15	......	0·24	......	3	3·63	13·07	10·55	21·10	21·12
		Mahagama ...	0·31	1·35	......	......	0·85	0·84	0·05	5	3·40	12·21	?	?	?
		Nunihat ...	0·12	......	1·11	0·69	0·35	0·61	......	5	2·88	7·61	?	13·49	?
CHUTIA NAGPUR.	Hazaribagh ...	Pachumba (*Giridi*). ..	0·15	0·75	0·04	2·50	0·21	0·03	1·15	7	4·83	13·52	10·25	18·27	20·00
		Hazaribagh ...	0·31	1·63	0·50	0·70	0·19	0·57	0·21	7	4·11	18·70	10·45	21·05	19·11
		Semtagurah ...	......	0·15	0·52	0·77	0·50	......	......	4	1·94	16·29	10·18	17·43	20·10
		Mahudi Hills											11·14		20·03
		Jhoomrah Hills											14·86		27·13
		Barhi ...	0·73	1·00	......	3·33	0·14	0·23	......	5	5·43	19·58	?	21·31	?
		Chatra ...	0·54	......	0·50	2·84	0·55	......	......	4	4·43	22·28	?	25·02	?
		Karagdeha ...	......	......	......	0·70	......	......	0·40	2	1·10	12·94	?	16·48	?
		Ramghar ...	0·46	......	0·70	1·00	0·06	0·50	......	5	2·72	11·16	?	15·26	?
	Lohardugga ..	Lohardugga ...	0·53	0·08	0·11	2·46	0·10	0·20	0·16	7	3·64	18·47	10·70	17·42	22·41
		Ranchi ...	0·17	......	1·30	0·14	......	......	0·84	4	2·45	17·68	11·45	22·45	22·13
		Palamow ..	1·15	0·04	0·23	2·03	0·09	0·57	0·03	7	4·74	17·01	9·53	20·72	16·62
		Silli ...	......	......	......	1·00	......	1·80	......	2	2·80		?		?
		Balumat ...											?		?
		Hossenabad..	1·01			0·01							?		?
		Garwah ...	......	0·22	0·43	4·45							?		?
	Singbhoom	Chyebassa .	0·48	......	......	......	1·04	0·55	......	3	2·07	10·63	12·20	15·74	23·00
		Chakradharpore.	0·27	......	......	......	0·57	1·09	0·35				?		?
		Ghatsilla ...	0·41	......	0·55	3·20	2·20						?		?
		Buharagura...	0·49	0·09	......	1·44	0·84						?		?
	Manbhoom ..	Purulia ...	0·11	......	......	0·89	0·15	0·70	2·55	5	4·40	16·64	10·03	21·79	20·80
		Gobindpore ...	0·13	0·03	0·10	0·34	......	0·02	0·19	6	0·81	7·41	9·77	11·02	18·02
		Raghunathpore.	0·25	......	......	0·03	0·10	0·75	0·23	5	1·36	11·49	?	15·39	?
		Barrabhoom...	0·55	......	......	0·31	0·20	2·25	......	4	3·31	16·39	?	21·24	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—...... Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 31*st July* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 27TH OF JULY 1888.

AT the close of the previous week a feeble barometric depression which had formed close to Saugor Island had passed inland, and on the morning of the 20th the centre of the small storm was near Midnapore. During the 20th the north-westerly advance of the depression continued, and on the 21st it was near Benares. It then travelled slowly westward, and on the 22nd was near Allahabad, and it had also considerably reduced in size and intensity, and on the morning of the 23rd it had almost filled up, though there were still signs of its existence between Allahabad and Jhansi. With the inland advance of the small storm a very strong monsoon current set in over the province, and during the 24 hours from 8 A.M. of the 20th to the 21st, wind velocity at Saugor Island averaged no less than 38 miles an hour, which almost amounts to a gale of wind, and for several days strong winds continued to blow in the north-west angle of the Bay. Conditions then continued of almost normal monsoon character up till the close of the week, and the only change noticeable was the gradual strengthening of the westerly element in the wind directions until the 25th, when westerly winds were reported in all districts except North Bengal and over parts of East Bengal. In these districts, however, winds were still easterly, and this gave rise to a considerable amount of interaction between the two opposing wind systems, with the usual result that very heavy rain was reported over the greater part of the province; and on this day the following heavy falls were received:—Muraria (Beerbhoom district), Chooadanga, Azimgunge, Harrishpore (Noakholly district), and Bhagulpore between four and five inches, and Kishnaghur, Cox's Bazar, Fenny, and Durbhunga between five and six inches. On the 26th the westerly winds were again partially driven back, and on the 27th the easterly current again strengthened, and westerly winds were confined to the south-west and west of the province. These conditions therefore continued favourable for rainfall, and for the greater part of the week rainfall has been general, and in many instances very heavy, over all districts except Orissa. Thus the rainfall in South-West Bengal, East Bengal, and in North and South Behar has been rather largely in excess of the normal, and in Chutia Nagpur and North Bengal the falls have been in slight excess; while in Orissa, on the other hand, the rainfall has been rather largely in defect of the normal.

Pressure.—The variations of pressure during the week have not been of much importance. The mean pressure for the whole province has been 0·024 inch in defect of the normal, and the largest defects have been registered at such stations as Calcutta, Berhampore, Purneah, Durbhunga, and Gya; while, on the other hand, in Orissa pressure has been in slight excess of the normal, all four stations in this district showing distinct excess pressures. In Assam a defect of 0·018 inch is registered.

Temperature.—Owing to the general, and in many cases heavy, rainfall which has prevailed over the greater part of the province during the week, temperature has been below the normal in all districts. In North Behar a defect of 2° has been registered, while in East and North Bengal and South Behar the defects have varied between 1° and 2°; in South-West Bengal and Chutia Nagpur temperature has been nearly one degree below the normal; and in Orissa it has been normal. In Assam a defect of 0·2° only has been registered.

Rainfall.—In East Bengal an average fall of no less than 7·05 inches has been received during the week, or more than an inch a day. This fall is about twice as large as the normal for the period. In Behar an average fall of about 5 inches has been recorded, which is again about double the usual amount. In South-West Bengal, North Bengal, and Chutia Nagpur the falls have averaged between three and four inches. In each of these districts the falls have been above the average, the excess being equal to about 30 to 40 per cent. of the normal. The only district which has received a defective fall for the week has been Orissa, and here the stations have averaged 1·90 inches against a normal fall of 2·94 inches; or, in other words, there has been a defect of about one-third of the usual quantity.

In Assam the following amounts of rain have been recorded during the week:—At Sibsagar 6·63 inches, at Silchar 4·12 inches, and at Dhubri 0·87 inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 27th of July 1888 :—

Meteorological Divisions.	Temperature						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	96·9	75·1	86·9	79·0	83·0	0	1·90	2·94	−1·04	3·8	4·1	−0·3	8·53	11·04	12·80	23·11
South-West Bengal ...	93·3	71·4?	83·1	78·1	83·1	−0·8	3·66	2·63	+1·03	4·6	4·6	0	11·45	9·82	19·36	22·07
East Bengal	91·1	74·8	85·2	77·5	81·4	−1·2	7·05	3·53	+3·52	6·5	5·2	+1·3	15·00	13·37	30·45	35·86
North Bengal	91·8	70·3	88·4	77·9	83·1	−1·3	3·32	2·52	+0·80	5·0	4·0	+1·0	12·40	12·07	31·50	35·38
North Behar	93·2	74·6	87·8	78·3	83·1	−2·0	4·72	2·60	+2·12	4·4	3·3	+1·1	14·18	10·68	22·55	21·30
South Behar	90·6	74·8	87·6	78·2	82·9	−1·8	4·65	2·64	+2·01	5·1	4·0	+1·1	13·84	9·67	17·77	18·06
Chutia Nagpur	86·0*	70·9*	82·3*	72·7*	77·5*	−0·9*	3·50	2·86	+0·64	5·3	5·1	+0·2	14·61	10·95	18·20	20·90
Assam	94·6	76·2	89·6	78·0	83·8	−0·2										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 31st July 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 22nd to 28th July 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Hygrometry. Vapour tension.	Dew point.	Humidity.	Rain.
		°	°	°	°	°	Inches.	°	%	Inches.
1888.										
July	22nd ...	83·1	91·5	14·2	77·3	79·8	·994	78·4	86	......
"	23rd .	83·4	91·5	11·7	79·8	80·4	·999	79·2	87	......
"	24th ...	85·1	93·1	13·1	80·0	82·4	1·072	81·4	88	......
"	25th ...	83·0	90·2	11·6	78·6	80·6	1·013	79·6	89	0·05
"	26th ...	81·6	89·2	11·1	78·1	79·3	·972	78·4	90	0·90
"	27th ...	85·1	90·5	10·7	79·8	81·6	1·033	80·2	85	......
"	28th ...	84·7	93·3	12·7	80·6	81·1	1·015	79·7	85	......

	°
The mean temperature of the seven days	83·7
The extreme variation of temperature	16·0
The maximum temperature	93·3
	%
The mean relative humidity	87
	Inches.
The total fall of rain from 22nd to 28th July 1888	0·95

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 30th July 1888.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt of India.

MEMORANDUM.

The returns received from the principal Municipalities in Bengal during the week ending 14th July 1888 disclose the following results :—

1. That during the week in question births and deaths were recorded in the proportions, respectively, of 18·9 and 21·9 per 1,000 of population, as opposed to 18·2 and 19·9 per 1,000, respectively, during the preceding week ending 7th July, indicating an improvement in the registration of deaths.

2. That the following Municipalities returned the highest proportions of births and deaths :—

Births.	Ratio per *mille.*	*Deaths.*	Ratio per *mille.*
Monghyr	63·3	Darjiling	39·1
Gya	34·2	Serampore	37·3
Mozufferpore	31·6	Monghyr	35·3
		Chupra	32·2

3. That in comparison with the results of the preceding week, there was a noticeable increase of mortality from fever, but no marked differences in the casualty-rates from the rest of the diseases, *vide* figures given below—

	Ratio per *mille* during the weeks ending— 14th July 1888.	7th July 1888.
Cholera	3·1	2·7
Small-pox	·2	·1
Fever	8·7	7·4
Bowel-complaints	2·4	1·9
Injury	·5	1·0
Other causes	6·9	6·8

4. That cholera and the maladies coming under the head of "Other causes" proved most fatal in the following Municipalities, the rest of the diseases abovenamed not demanding notice :—

Cholera.	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Chupra	20·5	Serampore	15·7
Bali	17·5	Mozufferpore	14·6
Patna	6·5	Gya	12·3
Puri	6·3	Midnapore	10·8
Serampore	5·9	Monghyr	10·8
Dacca	5·8		
Suburbs of Calcutta	2·3		

5. That the mortality referable to *Sex, Class* and *Age* stood as follows :—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	24·6	Christians ...	13·0	Under 1 year ...	217·8
Females	18·7	Hindus ...	23·2	1 and under 5 years ...	39·8
Ratio of male deaths to every 100 female deaths	149	Mahomedans ...	19·0	5 „ 10 „ ...	10·3
		Buddhists ...	24·2	10 „ 15 „ ...	8·6
		Other classes ...	36·4	15 „ 20 „ ...	9·4
				20 „ 30 „ ...	13·4
				30 „ 40 „ ...	13·9
				40 „ 50 „ ...	15·2
				50 „ 60 „ ...	26·8
				60 years and upwards ...	35·5

R. Lidderdale, m.d., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

The 30*th July* 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 14th July 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.								DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan	Burdwan	18,063	16,017	34,080	2	10	12	3·0	15·3	18·3	20	2	...	7	2	...	3	14	3·0	...	10·7	3·0	...	4·6	21·4	27·5	9	5	25·9	16·2	180
Midnapore ...	Midnapore	16,927	16,633	33,560	2	4	6	3·1	6·2	9·3	50	...	...	...	4	1	7	12	...	...	...	6·3	1·5	10·8	18·6	20·1	8	4	24·6	12·5	200
Hughli	Hughli and Chinsurah ...	19,179	19,539	38,718	9	3	12	12·1	4·0	16·1	300	1	...	4	2	...	3	10	1·3	...	5·4	2·7	...	4·0	13·4	9·4	8	2	21·7	5·3	400
Serampore	Serampore	13,559	12,937	26,496	6	5	11	11·8	9·8	21·6	120	3	...	5	1	2	8	19	5·9	...	9·8	1·9	3·9	15·7	37·3	33·4	11	8	42·2	32·2	137
	Utterpara	3,046	2,464	5,510	2	1	3	18·9	9·4	28·3	200	...	...	..	1	...	...	1	...	...	...	9·4	...	...	9·4	18·9	...	1	...	21·1	No male death.
Howrah	Howrah	53,153	37,660	90,813	14	10	24	8·0	5·7	13·7	140	...	...	5	4	...	8	17	...	...	2·8	2·3	...	4·6	9·7	9·7	12	5	11·7	6·9	240
	Bali	7,836	6,979	14,815	4	1	5	14·0	3·5	17·5	400	5	..	1	...	..	2	8	17·5	...	3·5	...	...	7·0	28·1	10·5	6	2	39·8	14·9	300
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	37	37	74	7·6	7·6	15·3	100	11	...	56	16	1	42	126	2·3	...	11·6	3·3	·2	8·7	26·1	24·4	80	46	28·3	22·9	178
Nuddea	Kishnaghur	13,263	14,214	27,477	2	...	2	3·8	...	3·8	No female birth.	...	...	3	1	...	2	6	...	...	5·6	1·9	...	3·8	11·4	13·2	1	5	3·9	18·3	20
	Ranaghat	4,028	4,655	8,683	...	1	1	...	6·0	6·0	No male birth.	...	...	2	...	1	...	3	...	...	12·0	...	6·0	...	18·0	6·0	1	2	12·9	22·4	50
	Santipore	13,708	15,979	29,687	1	3	4	1·7	5·2	7·0	33	...	...	2	...	...	1	3	...	...	3·5	...	...	1·7	5·2	1·7	1	2	3·8	6·5	50
Jessore	Jessore	4,830	3,665	8,495	...	2	2	...	12·2	12·2	No male birth.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	...	...	...	...	......
Rajshahye	Rampore Beauleah ...	10,766	9,025	19,791	2	3	5	5·2	7·9	13·1	66	...	...	6	...	1	3	10	...	...	15·8	...	2·6	7·9	26·3	15·8	6	4	28·9	26·0	150
Darjiling	Darjiling*	5,029	2,947	7,976	2	2	4	13·0	13·0	26·1	100	...	...	3	2	...	1	6	...	...	19·5	13·0	...	6·5	39·1	13·0	4	2	41·4	35·3	200
Dacca	Dacca	42,782	37,379	80,161	14	12	26	9·1	7·8	16·9	116	9	...	9	2	...	9	29	5·8	...	5·8	1·3	...	5·8	18·8	24·9	19	10	23·1	13·9	190
	Narainganj	7,605	4,956	12,561	2	3	5	8·3	12·4	20·7	63	1	...	...	...	...	2	3	4·1	...	...	...	...	8·3	12·4	8·3	2	1	13·7	10·5	200
Chittagong	Chittagong	13,340	8,790	22,130	2	2	4	4·7	4·7	9·4	100	...	...	2	1	1	1	5	...	...	4·7	2·3	2·3	2·3	11·7	11·7	4	1	15·6	5·9	400
Tipperah	Comillah	8,153	5,353	13,506	1	2	3	3·8	7·7	11·5	50	...	...	3	...	...	2	5	...	...	11·5	...	...	7·7	19·2	27·0	...	5	...	48·6	No male death.
Patna	Patna City*	78,762	81,475	160,237	24	12	36	7·8	3·9	11·7	200	20	...	25	4	3	11	63	6·3	...	8·1	1·3	·9	3·6	20·4	26·9	35	28	23·1	17·9	125
Gya	Gya	38,290	37,831	76,121	21	29	50	14·3	19·8	34·2	72	2	...	18	2	...	18	40	1·3	...	12·3	1·3	...	12·3	27·3	27·3	21	19	28·5	26·1	110
Shahabad	Arrah	20,960	22,505	43,465	14	7	21	16·7	8·4	25·1	200	...	1	8	1	1	5	16	...	1·2	9·6	1·2	1·2	5·9	19·1	12·0	12	4	29·8	9·2	300
Mozufferpore ...	Mozufferpore	23,084	19,658	42,742	13	13	26	15·8	15·8	31·6	100	...	1	1	1	...	12	15	...	1·2	1·2	1·2	...	14·6	18·2	15·8	4	11	9·0	29·1	36
Durbhanga	Durbhanga	33,774	32,322	66,096	14	13	27	11·0	10·2	21·2	107	...	...	18	2	...	9	29	...	...	14·2	1·5	...	7·1	22·8	15·7	18	11	27·7	17·7	163
Saran	Chupra	26,044	27,205	53,249	4	3	7	3·9	2·9	6·8	133	21	1	2	5	1	3	33	20·5	1·0	1·9	4·9	1·0	2·9	32·2	13·7	19	14	37·9	26·8	135
Bhagulpore	Bhagulpore	29,640	27,813	57,453	14	15	29	12·7	13·6	26·3	93	2	1	16	1	...	8	28	1·8	·9	14·5	·9	...	7·2	25·3	22·6	17	11	29·8	20·6	154
Monghyr	Monghyr	28,154	29,366	57,520	34	36	70	30·7	32·5	63·3	94	...	...	19	7	1	12	39	...	...	17·2	6·3	·9	10·8	35·3	21·7	24	15	44·3	26·6	160
Purneah	Purneah	8,463	6,553	15,016	2	...	2	6·9	...	6·9	No female birth.	...	..	3	...	...	...	3	...	...	10·4	...	...	...	10·4	13·9	2	1	12·3	7·9	200
Puri	Puri	13,247	11,537	24,784	5	5	10	10·5	10·5	21·0	100	3	...	3	2	...	4	13	6·3	...	6·3	6·3	...	8·4	27·3	23·1	9	4	35·3	18·0	225
	TOTAL ...	702,890	619,691	1,322,581	247	234	481	9·7	9·2	18·9	105	89	4	221	63	13	176	556	3·1	·2	8·7	2·4	·5	6·9	21·9	19·9	333	223	24·6	18·7	149

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

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DISTRICTS.	NAMES OF MUNICIPALITIES.	MORTALITY ACCORDING TO— Class. Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Age. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	8	6	...	...	...	17·6	30·4	...	...	3	1	...	1	1	4	2	...	1	1	236·4	23·1	......	20·7	16·6	26·3	15·1	......	21·3	35·1
Midnapore ...	Midnapore ...	...	9	3	...	...	...	18·0	21·6	...	...	1	...	1	...	...	...	1	3	...	6	70·0	......	13·9	......	......	......	9·4	41·9	......	176·5
Hughli ...	Hughli and Chinsurah ...	...	8	2	...	...	...	13·1	15·2	...	...	5	2	...	1	...	...	...	1	...	1	275·7	39·0	......	17·3	......	......	......	10·1	......	20·7
Serampore ...	Serampore ...	...	18	1	...	...	...	37·1	55·4	...	...	5	3	1	1	...	3	4	1	1	...	336·3	86·4	30·7	23·4	......	27·1	29·0	15·4	27·2	......
	Utterpara ...	...	1	...	...	...	...	9·7	...	...	...	...	...	...	...	...	...	...	1	...	...	......	......	......	......	......	......	......	74·2	......	......
Howrah ...	Howrah ...	...	12	4	...	1	...	9·2	10·1	...	215·8	4	3	...	1	1	2	1	2	...	3	100·3	23·3	......	7·9	7·1	4·6	3·7	8·8	......	41·6
	Bali ...	...	8	...	...	...	...	31·0	...	...	...	3	2	...	1	...	2	1	...	...	...	287·3	106·1	......	43·8	......	31·1	18·6	......	......	......
24-Pergunnahs ...	Suburbs of Calcutta ...	3	86	37	...	...	36·5	29·8	19·9	...	...	23	16	4	3	7	34	14	10	19	7	240·1	51·5	10·5	8·7	20·2	21·5	14·1	15·8	33·2	35·6
Nuddea ...	Kishnaghur ...	...	4	2	...	...	...	11·1	12·6	...	...	2	...	...	1	...	...	1	1	...	1	209·7	......	......	13·5	......	......	12·1	15·9	......	30·1
	Ranaghat ...	...	3	...	...	...	...	21·3	...	...	...	...	...	...	...	...	...	1	1	1	...	......	......	......	......	......	......	41·7	51·3	71·5	......
	Santipore ...	...	3	...	...	...	...	7·5	...	...	...	1	...	...	...	...	...	...	...	...	2	61·5	......	......	......	......	......	......	......	......	59·6
Jessore ...	Jessore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	......	......	......	......	......	......	......	......	......
Rajshahye ...	Rampore Beauleah ...	...	7	3	...	...	...	36·7	15·9	...	...	3	2	...	...	...	2	3	...	...	...	384·3	73·3	......	......	......	25·0	43·3	......	......	......
Darjiling ...	Darjiling ...	...	5	...	1	...	...	56·6	...	31·5	...	1	3	...	...	1	...	1	...	...	...	429·7	243·6	......	......	81·3	......	36·3	......	......	......
Dacca ...	Dacca ...	...	14	15	...	...	...	18·1	19·3	...	...	5	5	2	1	1	4	3	3	2	4	137·0	35·3	10·5	6·5	7·1	13·6	8·9	15·6	22·9	37·1
	Narainganj ...	...	2	1	...	...	...	16·4	8·4	...	...	2	...	...	...	...	1	...	...	...	...	372·3	......	......	......	......	19·5	......	......	......	......
Chittagong ...	Chittagong ...	...	...	5	...	...	...	...	17·0	...	...	1	1	...	...	...	...	1	2	...	...	92·4	26·4	......	......	......	......	15·6	46·1	......	......
Tipperah ...	Comillah ...	...	4	1	...	...	...	35·0	7·0	...	...	...	...	1	1	1	...	1	...	...	1	......	......	31·9	35·6	21·5	......	26·1	......	......	76·7
Patna ...	Patna City ...	...	44	19	...	...	...	19·2	24·2	...	...	18	10	3	4	4	1	5	1	7	10	217·2	35·6	9·3	14·5	15·6	1·8	11·2	2·8	25·8	37·6
Gya ...	Gya ...	...	30	10	...	...	...	26·0	32·3	...	...	11	5	1	1	...	3	3	8	3	5	319·6	40·9	7·4	7·7	......	10·6	13·3	42·6	23·7	56·5
Shahabad ...	Arrah ...	...	14	2	...	...	...	23·5	8·4	...	...	...	4	4	2	...	3	...	...	1	2	......	47·0	40·5	23·6	......	19·9	......	......	16·3	36·1
Mozufferpore ...	Mozufferpore ...	...	9	6	...	...	...	15·6	25·0	...	...	3	3	...	...	1	2	1	1	1	8	163·4	33·6	......	......	17·1	12·1	7·5	10·4	16·0	64·1
Durbhanga ...	Durbhanga ...	...	23	6	...	...	...	24·7	17·8	...	...	8	2	6	...	...	2	4	1	6	...	267·2	13·7	39·9	......	......	7·8	18·6	7·1	71·1	......
Saran ...	Chupra ...	...	30	3	...	...	...	37·9	13·0	...	...	4	8	...	...	...	8	6	5	1	1	144·0	78·3	......	......	......	43·7	38·6	41·4	12·3	15·9
Bhagulpore ...	Bhagulpore ...	...	20	8	...	...	...	26·3	24·1	...	...	7	8	3	...	...	3	1	3	...	8	304·9	76·8	26·6	......	......	14·3	5·6	24·3	......	46·3
Monghyr ...	Monghyr ...	...	32	7	...	...	...	37·2	29·0	...	...	16	6	...	...	1	4	4	2	2	4	560·3	50·1	......	......	13·8	20·1	23·3	16·3	26·2	53·5
Purneah ...	Purneah ...	...	1	2	...	...	...	5·6	18·4	...	...	...	...	...	1	...	...	1	1	...	...	......	......	......	43·5	......	......	15·3	26·0	......	......
Puri ...	Puri ...	...	13	...	...	...	...	27·6	...	...	...	3	...	...	...	...	2	3	...	4	1	514·9	......	......	......	......	19·7	33·5	......	93·2	26·8
	TOTAL ...	3	468	143	1	1	13·0	23·2	19·0	24·2	36·4	127	84	26	19	18	70	61	47	49	55	217·8	39·8	10·3	8·6	9·4	13·4	13·9	15·2	26·8	36·5

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 30th July 1888.

R. LIDDERDALE, M.D., *Deputy Surgeon-General,*
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSÁ COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing Quantities of Goods carried during the month of June 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
349	1. Grain ...	4,375	429	4,804	1,74,592	4,804	1,74,592	
1	2. Cotton ...	......	4	4	700	4	700	
......	3. Oilseeds ...	......	......	......	......	......	......	
42	4. Salt ...	......	266	266	22,400	266	22,400	
10	5. Piece-goods ...	......	25	25	19,100	25	19,100	
1	6. Metal ...	......	4	4	1,000	4	1,000	
6	7. Building materials	7	9	16	400	16	400	
578	8. Miscellaneous ...	79	433	512	51,905	512	51,905	
14	9. Fuel ...	125	86	211	2,053	211	2,053	
2 rafts	10. Timber ...	168 c. ft.	200 c. ft.	368 c. ft.	184	368 c. ft.	184	
6 ,,	11. Bamboos ...	505 ,,	275 ,,	780 ,,	36	780 ,,	36	
1,001 & 8 rafts.	12. Total ...	4,586 & 673 c. ft.	1,256 & 475 c. ft.	5,842 & 1,148 c. ft.	2,72,370	5,842 & 1,148 c. ft.	2,72,370	
595 & 2 rafts.	13. Total of same month last year	1,800 & 125 Nos.	690	2,490 & 125 Nos.	1,10,099	2,481 & 125 Nos.	1,09,699	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	517	484	1,001
15. Total number of boats plying passenger No.	61	83	144
16. Total registered tonnage, cargo Tons	9,090	5,366	14,456
17. Total registered tonnage, passenger Tons	911	1,059	1,970
18. Ton-mileage ...	233,826	1,55,309	3,89,135
19. Estimated value of cargo Rs.	1,59,276	1,12,874	2,72,150
20. Number of passengers ...	1,702	2,925	4,627
21. Rafts, bamboos c. ft.	505	275	780
22. Do., bullahs ,,	168	200	368
23. Estimated value of rafts Rs.	107	113	220
24. Tollage on boats ,,	4,096-5-3	2,735-4-9	6,831-10-0
25. Compounded tollage on boats ,,	10-10-0	0-6-6	11-0-6
26. Tollage on rafts ,,	7-13-3	5-9-0	13-6-3
27. Total tollage on boats per ton-mile Pie	......	......	0-0-3·3
28. Total tollage on rafts per 100 cubic feet ...	......	......	1-2-7

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	6,856	0	9
Total tollage of same month last year ...	2,468	0	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	2,521	8	0
2. Tollage per month ...	6,856	0	9
3. Total ...	9,377	8	9
4. Amount paid into treasury during the month ...	6,061	10	9
5. Balance due at the end of the month ...	3,315	14	0

Abstract for the month of June 1888 as compared with the corresponding month of the previous year.

	1888-89. During the month.	1888-89. To end of the month.	1887-88. During the month.	1887-88. To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage	6,856 0 9	17,156 4 9	2,468 0 0	9,383 12 0

A. D. McArthur, Major, R.E.,
Under-Secretary to the Government of Bengal.

Calcutta,
The 31st July 1888.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

Calcutta and Eastern Canals.

Statement showing Quantities of Goods carried during the month of June 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
564	1. Grain ...	8,817	......	8,817	5,87,620	8,817	5,87,620	* For detail see next page.
3	2. Cotton ...	16	......	16	7,650	16	7,650	
117	3. Oilseeds ...	1,645	14	1,659	1,85,843	1,659	1,85,843	
327	4. Salt ...	589	4,406	4,995	4,89,545	4,995	4,89,545	
......	5. Piece-goods ...	......	......	......	......	......	......	
7	6. Metal ...	13	27	40	15,000	40	15,000	
55	7. Building materials	3,954	89	4,043	82,435	4,043	82,435	
1,196	8. Miscellaneous* ...	5,774	360	6,134	8,15,453	6,134	8,15,453	
336	9. Fuel ...	6,236	614	6,850	56,867	6,850	56,867	
......	10. Timber ...	......	......	......	......	......	......	
6 rafts	11. Bamboos ...	2,420 c.ft.	......	2,420 c.ft.	32	2,420 c.ft.	32	
2,605 & 6 rafts.	12. Total ...	27,044 & 2,420 c.ft.	5,510	32,554 & 2,420 c.ft.	22,40,445	32,554 & 2,420 c.ft.	22,40,445	
2,439 & 9 rafts.	13. Total of same month last year.	27,891 & 1,600 No.	4,063	31,954 1,600 No.	21,17,170	31,954 & 1,600 No.	21,17,170	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	2,247	358	2,605
14a. Ditto empty "	1,632	288	1,920
15. Total number of boats plying passenger No.	302	12	314
16. Total registered tonnage, cargo Tons	93,899	12,800	106,699
17. Total registered tonnage, passenger Tons	803	228	1,031
18. Ton-mileage ...	738,055	128,000	866,055
19. Estimated value of cargo Rs.	17,52,802	4,87,611	22,40,413
20. Number of passengers No.	1,694	112	1,806
21. Rafts, bamboos C. ft.	2,420	......	2,420
22. Do., bullahs "	......	......	......
23. Estimated value of rafts Rs.	32	......	32
24. Tollage on boats "	17,887-14-6	3,192-2-0	21,080-0-6
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	4-8-0	......	4-8-0
27. Total tollage on boats per ton-mile ...	......	......	0-0-4·67
28. Ditto on rafts per 100 cubic feet ...	......	......	0-3-0

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	21,084	8	6
Total tollage of same month last year ...	19,760	4	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	571	12	0
2. Tollage per month ...	21,084	8	6
3. Total ...	21,656	4	6
4. Amount paid into treasury during the month ...	20,900	15	9
5. Balance due at the end of the month ...	755	4	9

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
45	(*a*) Jute ...	970	......	970	1,29,080	970	1,29,080	
33	(*b*) Jaggery ...	313	31	344	43,312	344	43,312	
13	(*c*) Sugar ...	68	......	68	18,050	68	19,050	
1	(*d*) Tobacco ...	11	......	11	1,800	11	1,800	
318	(*e*) Fish ...	79	......	79	19,294	79	19,294	
5	(*f*) Hides ...	4	......	4	990	4	990	
99	(*g*) Poultry ...	27	......	27	22,894	27	22,894	
40	(*h*) Hay and straw ...	517	......	517	10,866	517	10,866	
24	(*j*) Oils ...	16	211	227	31,750	227	31,750	
28	(*k*) Earthenware ...	66	2	68	956	68	956	
590	(*m*) Other miscellaneous ...	3,703	116	3,819	5,36,461	3,819	5,36,461	
1,196	Total Miscellaneous...	5,774	360	6,134	8,15,453	6,134	8,15,453	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of June 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
1,133	1. Grain ...	6,829	......	6,829	4,23,505	6,829	4,23,505	* For detail see next page.
1	2. Cotton ...	12	......	12	5,950	12	5,950	
5	3. Oilseeds ...	55	......	55	6,975	55	6,975	
88	4. Salt ...	613	474	1,087	1,06,487	1,087	1,06,487	
......	5. Piece-goods ...	......	......	......	......	......	......	
......	6. Metal ...	......	......	......	......	......	......	
347	7. Building materials	3,380	......	3,380	8,365	3,380	8,365	
738	8. Miscellaneous* ...	2,962	178	3,140	3,13,172	3,140	3,13,172	
234	9. Fuel ...	2,205	......	2,205	2,992	2,205	2,992	
1 raft	10. Timber ...	......	333 c.ft.	333 c.ft.	832	333 c.ft.	832	
9 rafts	11. Bamboos ...	630 c.ft.	......	630 „	79	630 „	79	
2,546 & 10 rafts.	12. Total ...	16,056 & 630 c.ft.	652 & 333 c ft	16,708 & 963 c ft.	8,68,357	16,708 & 963 c.ft.	8,68,357	
2,794 & 3 rafts.	13. Total of same month last year ...	15,236 & 70 No.	473 & 30 No.	15,709 & 100 No.	9,64,946	15,709 & 100 No.	9,64,946	

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.	2,470	76	2,546
14a. Ditto empty ... „	590	80	670
15. Total number of boats plying passenger ... No.	372	23	395
16. Total registered tonnage, cargo ... Tons	46,819	2,049	48,868
17. Total registered tonnage, passenger ... Tons	1,256	117	1,373
18. Ton-mileage	4,63,841	32,784	4,96,625
19. Estimated value of cargo Rs.	7,99,788	67,658	8,67,446
20. Number of passengers No.	3,727	400	4,127
21. Rafts, bamboos C. ft.	630	......	630
22. Do., bullahs ... „	......	333	333
23. Estimated value of rafts Rs.	79	832	911
24. Tollage on boats „	8,081-15-9	531-0-6	8,613-0-3
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts „	2-4-0	15-0-0	17-4-0
27. Total tollage on boats per ton-mile Pies	......	......	0-0-3·32
28. Ditto on rafts per 100 cubic feet	......	......	1-12-8

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	8,630	4	3
Total tollage of same month last year ...	8,088	13	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	277	2	0
2. Tollage per month ...	8,630	4	3
3. Total ...	8,907	6	3
4. Amount paid into treasury during the month ...	8,644	6	3
5. Balance due at the end of the month ...	263	0	0

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

TOLLY'S NULLAH.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
2	(a) Jute ...	10	18	28	3,681	28	3,681	
96	(b) Jaggery ...	694	......	694	87,480	694	87,480	
1	(c) Sugar ...	4	......	4	800	4	800	
15	(d) Tobacco ...	92	16	108	18,126	108	18,126	
27	(e) Fish ...	9	1	10	2,920	10	2,920	
......	(f) Hides ...	......	......	......	......	......	......	
......	(g) Poultry ...	......	......	......	......	......	......	
86	(h) Hay and straw...	295	......	295	6,186	295	6,186	
53	(j) Oils ...	299	1	300	41,975	300	41,975	
152	(k) Earthenware ...	261	......	261	3,659	261	3,659	
306	(m) Other miscellaneous ...	1,298	142	1,440	1,48,345	1,440	1,48,345	
738	Total Miscellaneous...	2,962	178	3,140	3,13,172	3,140	3,13,172	

ABSTRACT FOR THE MONTH OF JUNE 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	Traffic, 1888-89.						Traffic, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals ...	21,084	8	6	66 456	13	3	19,760	4	6	63,236	14	9
Tolly's Nullah	8,630	4	3	27,210	6	6	8,088	13	0	24,059	4	3
Total ...	29,714	12	9	93,667	3	9	27.849	1	6	87.296	3	0

CALCUTTA,
The 31*st* *July* 1888.

A. D. McARTHUR, MAJOR, R.E.
Under-Secretary to the Government of Bengal

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing Quantities of Goods carried during the month of June 1888.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
466	1. Grain ...	330	6,296	6,626	3,33,740	6,626	3,33,740	* Only 7 maunds passed on Bhagiruthy at Jungypore.
......	2. Cotton ...	......	......	......	......	......	......	
67	3. Oilseeds ...	56	707	763	82,374	763	82,374	
157	4. Salt ...	1,018	......	1,018	49,005	1,018	49,005	
2	5. Piece-goods* ...	......	......	......	3,200	......	3,200	
12	6. Metal ..	31	17	48	32,885	48	32,885	
32	7. Building materials	145	17	162	2,790	162	2,790	
545	8. Miscellaneous ...	1,831	1,671	3,502	5,80,145	3,502	5,80,145	
44	9. Fuel ...	247	92	339	3,297	339	3,297	
21 rafts	10. Timber ...	715 c. ft.	9,033 c. ft.	97,48 c. ft.	7,592	9,748 c. ft.	7,592	
4 "	11. Bamboos ...	101 "	......	101 "	10	101 "	10	
1,325 & 25 rafts	12. Total ...	3,658 & 816 c. ft.	8,800 & 9,033 c. ft.	12,458 & 9,849 c. ft.	10,95,038	12,458 & 9,849 c. ft	10,95,038	
1,867 & 48 rafts.	13. Total of same month last year	5,480 & 453 c. ft.	13,011 & 22,533 c. ft.	18,491 & 22,986 c. ft.	14,84,868	18,491 & 22,986 c. ft.	14,84,868	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	577	748	1,325
14A. Ditto empty boats, steamers, &c. No.	487	101	588
15. Total number of boats plying passenger No.	712	1,159	1,871
15A. Ditto Empty boats "	83	45	128
16. Total registered tonnage, cargo Tons	13,281	17,797	31,078
17. Total registered tonnage, passenger Tons	279	235	514
18. Ton-mileage ...	......	......	......
19. Estimated value of cargo Rs.	4,46,934	6,40,502	10,87,436
20. Number of passengers No.	2,619	4,672	7,291
21. Rafts, bamboos c. ft.	101	......	101
22. Do., bullahs "	715	9,033	9,748
23. Estimated value of rafts Rs.	1,082	6,520	7,602
24. Tollage on boats "	2,888-8-6	4,584-11-6	7,473-4-0
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	5-10-0	81-15-0	87-9-0
27.† Total tollage on boats per ton-mile	......	......	......
28. Ditto on rafts per 100 cubic feet ...	......	......	0-14-3

	Rs. A. P.
Total tollage of month—24+25+26 ...	7,560 13 0
Total tollage of same month last year ...	10,384 9 0

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	251 3 10
2. Tollage per month ...	7,560 13 0
3. Total ...	7,812 0 10
4. Amount paid into Treasury during the month ...	7,242 8 9
5. Balance due at the end of the month ...	569 8 1

† Boats in these rivers do not pay per mile.

Abstract for the month of June 1888 as compared with the corresponding month of the previous year.

	1888-89.		1887-88.	
	During the month.	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage	7,560 13 0	18,136 5 2	10,384 9 0	29,578 0 3

CALCUTTA,
The 31st July 1888.

A. D. McARTHUR, MAJOR, R.E.,
Under-Secy to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 28th July 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 28th July 1888.			Week ending Saturday, the 30th July 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	504	1,12,010	1,902	482	80,830	1,292
Jute	3	1,800	14	12	5,850	95
Firewood	114	44,185	649	161	73,125	984
Other articles	804	1,50,392	2,398	693	1,80,650	2,658
Total ...	1,425	3,08,387	4,963	1,348	3,40,455	5,029

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of May 1888 as compared with the same month of the previous year.

Staples.	1888.		1887.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	12,496	2,605	1,194	463	15,101	1,657	13,444	...
Cotton, raw	9	420	2	254	429	256	173	...
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece goods—								
1.—European—								
a.—In bales and bundles ...	2,670	197	1,794	5	2,876	1,709	1,077	...
b.—In boxes								
2.—Indian—								
a.—In bales and bundles ...								
b.—In boxes								
Grains—								
2.—Rice	4,270	3 695	1,401	2,129	7,965	3,530	4,435	.
5.—Others	1,842	10,994	906	11,618	12,836	12 524	282	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed	7	318	7	614	325	621	.....	[illegible]96
2.—Skins of sheep, &c.—								
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	...	592	...	242	592	242	350	.
b.—Unscrewed	20	2,720	...	2,071	2 740	2 071	678	.
2.—Gunny bags and cloth ...	20[illegible]	1,166	188	915	1,435	1,103	332	...
Metals—								
1.—Copper, unwrought ...								
2.—Brass, unwrought ...								
3.—Brass and copper, wrought ...	975	170	551	134	1,145	685	460	......
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	1,078	45	346	...	1,123	346	777	...
3.—Others	332	28	233	56	360	289	71	..
Oil-seeds—								
1. Linseed								
2.—Rape and mustard ...								
3.—Til or gingelly ...	317	3,329	422	2,272	3,646	2,694	952	.
4.—Niger								
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel nuts	129	507	45	547	636	592	44	..
3.—Others	754	950	184	521	1,704	705	999	..
Railway plant and rolling-stock ...	3,389	1,152	1 906	909	4,541	2,815	1,726	..
Salt	7,084	53	4 659	9	5,037	4,698	3,339	..
Sugar—								
1.—Drained	819	2,184	256	770	3,003	1,026	1,977	......
2.—Undrained								
Tea—								
1.—Foreign	5	1,105	......	797	1,110	797	313	.. ..
2.—Indian								
Wood—								
1.—Timber	230	88	70	97	318	167	151	..
2.—Firewood	1,400	56	1,426	12	1,[illegible]	1,[illegible]	18	.
Tobacco	60	3,106	70	2,219	3,166	2,289	877	......
All other articles of merchandise—								
1.—Unmanufactured ...	4,008	2,133	1,945	2,038	6,141	3,983	2,158	......
2.—Manufactured ...								
Hay, straw, and wooloo (C. & S.-E. Sections)	1,010	5	631	...	1,015	631	384	..
Total ...	44,091	37,618	18,266	28,722	81,700	46,988	35,017	2,[illegible]

Comparative Statement of the principal commodities carried over the Eastern Bengal State Railway during the month of May 1888.

INCREASES.	Tons.
Coal	13,444
From the East Indian Railway for railway and flotilla purposes and for the public generally.	
Cotton, raw	173
Principally from Narainganj, Goalando and Kissenganj.	
Cotton twist and yarn and cotton piece-goods	1,077
Due to large despatches to up-country marts, especially on the northern section, principally from Calcutta and Chitpore.	
Rice	4,435
A steady market and fair demand in Calcutta for export. Large despatches from Magra Hât on southern section, and Atrai, Sultanpore, Jaipore Hât, Hilli, Chorkee, Phulbari, Parbatipore, and Dinagepore on the northern section.	
Other grains and pulses, except wheat, grain and bajra	283
Good crops and a favourable market.	
Jute, raw, screwed and unscrewed	1,028
Principally from Huldibari, Darrain, Narainganj, Serajganj, and Kooshtea. Increased demand for export and high prices offered.	
Gunny bags and cloth	332
Due to increase in grains and seeds.	
Metals	460
Increased demand includes manufacture of metals for domestic purposes, &c.	
Kerosine oil	777
Low prices and increased demand.	
Oil-seeds	952
Good crop and rising market.	
Other provisions	999
For the Darjeeling-Himalayan Railway stations and up-country requirements.	
Railway plant and rolling-stock	1,726
For maintenance and construction purposes.	
Salt	3,339
Principally from Chitpore for up-country consumption.	
Sugar	1,977
Due to enquiry for shipment.	
Tea	313
Due to prices in Calcutta being firm with an upward tendency.	
Timber	151
Requirement for building purposes.	
Tobacco	877
Principally from Serajganj and stations on the Northern and Assam-Behar sections.	
Other articles of merchandise	2,158
Increased requirement.	
Hay, straw, and wooloo	384
Principally from Canning and Champahati stations on the southern section.	
The increases on other heads are small and due to ordinary fluctuations.	
DECREASES.	
Hides and skins	206
Due to entire absence of demand in Calcutta for cow hides.	

Calcutta, the 30*th July* 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 21st July 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	274,195	2,45,270 13 0	24,09,453 30	4,05,983 5 0	17,109 13 0	7,58,363 15 0	62,000	82,750½	144,750½
Or per mile of railway ...	......	162 0 6	......	327 10 5	11 4 10	500 15 9	......	......	......
For previous 2 weeks of half-year	470,439	4,60,551 2 0	42,56,817 10	9,39,698 8 0	35,076 10 0	13,35,326 4 0	127,864½	154,919½	282,783½
Total for 3 weeks ...	744,634	7,05,821 15 0	66,66,271 0	13,35,681 13 0	52,186 7 0	20,93,690 3 0	189,864½	237,670	427,534½
Comparison.									
Total for corresponding week of previous year	238,395½	2,54,627 10 10	21,24,525 10	4,91,168 12 3	17,452 2 7	7,63,248 9 8	64,440	89,590	154,030
Per mile of railway corresponding week of previous year	......	167 10 1	......	321 5 7	11 7 10	502 7 6	......	......	......
Total to corresponding date of previous year	822,238½	7,90,396 11 2	72,78,082 0	16,47,571 14 6	55,424 11 1	24,93,393 4 9	211,459	297,028	508,487

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	7,63,240	502	1,513¾	7,58,364	501	1,519	1,49,00,942	613	1,513¾	1,40,26,616	579	......	8,74,326

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 21st July 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	8,831	4,049 8 0	44,306 30	3,065 6 0	22 4 0	7,137 2 0	1,651	743	2,394
Or per mile of railway	154½	70 12 9	774 30	53 9 5	0 6 3	124 12 5	......	......	......
For previous 2 weeks of half-year	18,737	8,359 4 0	68,989 10	4,435 15 0	45 11 0	12,840 14 0	3,361	1,511	4,872
Total for 3 weeks ...	27,568	12,408 12 0	1,13,296 0	7,501 5 0	67 15 0	19,978 0 0	5,012	2,254	7,266
Comparison.									
Total for corresponding week of previous year	12,534½	6,419 10 10	51,419 0	2,974 9 0	37 14 9	9,432 2 7	1,650	744	2,394
Per mile of railway corresponding week of previous year ...	219	112 3 9	899 0	52 0 0	0 10 7	164 14 9	......	......	......
Total to corresponding date of previous year	37,697½	18,417 9 5	1,49,383 30	9,420 9 0	90 6 3	27,928 8 8	5,386	2,825	8,211

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	9,432	165	57½	7,137	125	57½	1,47,089	161	57½	1,35,872	148	......	11,217

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 21st July 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,772	555 9 0	7,976 10	197 5 0	11 4 0	764 2 0	390½	103	493½
Or per mile of railway	......	46 4 9	......	16 7 1	0 15 0	63 10 10	......	......	......
For previous 2 weeks of half-year	6,580	1,094 5 0	12,288 20	314 2 0	18 11 0	1,427 2 0	699	522	1,221
Total for 3 weeks ...	9,352	1,649 14 0	20,264 30	511 7 0	29 15 0	2,191 4 0	1,089½	625	1,714½
Comparison.									
Total for corresponding week of previous year	3,134	513 14 9	11,285 30	291 12 0	10 8 0	816 2 9	353	140	493
Per mile of railway corresponding week of previous year ...	......	42 13 3	......	24 5 0	0 14 0	68 0 3	......	......	......
Total to corresponding date of previous year	10,171	1,672 0 11	30,659 0	727 1 0	26 1 3	2,425 3 2	1,222	398	1,620

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	816	68	12	764	64	12	17,026	89	12	18,030	94	1,004	......

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 21st July 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,744	3,351 13 0	80,787 20	3,754 8 0	77 8 0	7,183 13 0	717	1,822½	2,539½
Or per mile of railway	......	44 13 0	......	50 3 1	1 0 7	96 0 8	......	......	......
For previous 2 weeks of half-year	9,260	6,981 8 0	1,49,954 20	6,904 5 0	188 2 0	14,073 15 0	1,320	2,480	3,800
Total for 3 weeks ...	14,004	10,333 5 0	2,30,742 0	10,658 13 0	265 10 0	21,257 12 0	2,037	4,302½	6,339½
Comparison.									
Total for corresponding week of previous year	4,929	4,942 11 3	84,472 30	2,307 10 0	108 13 6	7,449 2 9	864	1,019	1,883
Per mile of railway corresponding week of previous year ...	......	66 1 3	......	32 0 10	1 7 4	99 9 5	......	......	......
Total to corresponding date of previous year	16,645	13,920 15 0	3,05,408 30	8,995 6 0	225 13 9	23,142 2 9	2,397	4,086	6,483

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	7,449	100	74½	7,184	96	74½	1,37,144	115	74½	1,26,852	106	......	10,292

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 21st July 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	26,420	6,282 0 0	3,089 20	122 14 0	4 8 0	6,409 6 0	990	66	1,056
Or per mile of railway ..	.....	282 5 5	.....	5 8 4	0 3 3	288 1 0	......	......	....
For previous 2 weeks of half-year	39,499	9,844 12 0	7,891 30	275 6 0	10 0 0	10,130 2 0	1,803	133	1,936
Total for 3 weeks ..	65,919	16,126 12 0	10,981 10	398 4 0	14 8 0	16,539 8 0	2,793	199	2,992
Comparison.									
Total for corresponding week of previous year .	15,659½	3,863 11 6	4,489 20	187 10 0	4 0 0	4,054 5 6	923	45	968
Per mile of railway corresponding week of previous year ...	......	173 9 8	......	8 6 11	0 2 11	182 3 6	.....	......	....
Total to corresponding date of previous year	63,902½	15,139 11 11	13,652 10	534 3 0	8 8 0	15,682 1 11	3,148	190	3,383

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	4,054	182	22½	6,409	288	22½	92,752	261	22½	1,00,846	283	8,094	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 14th July 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	121,731	52,397 0 0	4,05,288 0	69,807 0 0	10,295 0 0	1,32,499 0 0	21,642	20,595	42,237
Or per mile of railway .	181	78 0 0	603 0	104 0 0	*3 0 0	185 0 0	......	...	.
For previous 1 week of half-year	107,750	53,218 0 0	4,15,421 0	67,835 0 0	10,494 0 0	1,31,547 0 0	22,000	18,300	40,300
Total for 2 weeks ...	229,481	1,05,615 0 0	8,20,709 0	1,37,642 0 0	20,789 0 0	2 64,046 0 0	43,642	38,895	82,537
Comparison.									
Total for corresponding week of previous year .. .	105,377	49,293 0 0	3,25,323 0	67,083 0 0	9,342 0 0	1,25,718 0 0	20,026	16,231	36,857
Per mile of railway corresponding period of previous year ...	163	76 0 0	504 0	104 0 0	*2 0 0	182 0 0	......	.....	. .
Total to corresponding date of previous year	264,445	1,20,230 0 0	7,43,731 0	1,38,715 0 0	23,165 0 0	2,82,100 0 0	46,716	37,412	48,128

* Excluding steam-boat earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,25,718	195	672	1,32,499	197	648	21,29,124	220	674	*21,77,141	215	48,017	......

* Audited up to 9th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 14th July 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	22,532	7,522 0 0	38,630 0	2,159 0 0	60 0 0	9,741 0 0	3,813	1,859	5,672
Or per mile of railway	180	60 0 0	309 0	17 0 0	1 0 0	78 0 0	......	... ..	.....
For previous 1 week of half-year	23,535	8,597 0 0	34,144 0	2,127 0 0	129 0 0	10,853 0 0	3,868	1,876	5,744
Total for 2 weeks ...	46,067	16,119 0 0	72,774 0	4,286 0 0	189 0 0	20,594 0 0	7,681	3,735	11,416
Comparison.									
Total for corresponding week of previous year . .	22,637	8,053 0 0	29,995 0	2,232 0 0	94 0 0	10,378 0 0	3,760	1,450	5,210
Per mile of railway corresponding period of previous year .	181	64 0 0	240 0	18 0 0	1 0 0	83 0 0	......	......	......
Total to corresponding date of previous year	56,493	19,793 0 0	79,528 0	5,257 0 0	221 0 0	25,271 0 0	8,483	3,477	11,960

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
25	10,378	83	125	9,741	78	125	2,01,197	107	125	*1,79,731	96	...	21,466

* Audited up to 9th June 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 14th July 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,160	4,396 0 0	4,048 0	391 0 0	154 0 0	4,941 0 0	2,141	963	3,104
Or per mile of railway	176	51 0 0	47 0	4 0 0	2 0 0	57 0 0	.....		..
For previous 1 week of half-year	10,400	4,508 0 0	5,180 0	452 0 0	48 0 0	5,008 0 0	2,141		3,104
Total for 2 weeks ...	25,560	8,904 0 0	9,228 0	843 0 0	202 0 0	9,949 0 0	4,282	1,926	6,208
Comparison.									
Total for corresponding week of previous year	9,958	3,491 0 0	2,154 0	305 0 0	89 0 0	3,885 0 0	2,742	679	3,421
Per mile of railway corresponding period of previous year .	116	41 0 0	25 0	3 0 0	1 0 0	45 0 0	.....,		
Total to corresponding date of previous year	24,099	7,852 0 0	5,607 0	651 0 0	383 0 0	8,886 0 0	6,013	1,496	7,509

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	3,885	45	86	4,941	57	86	74,645	58	86	*74,139	57	.. ..	506

* Audited up to week ending 9th June 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 14th July 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,211	1,090 0 0	17,223 0	1,570 0 0	20 0 0	2,620 0 0	546	546	1,092
Or per mile of railway ..	82	26 0 0	441 0	40 0 0	1 0 0	67 0 0	......	....	......
For previous 1 week of half-year	2,743	964 0 0	26,251 0	2,253 0 0	30 0 0	2,247 0 0	546	546	1,092
Total for 2 weeks ...	5,954	1,994 0 0	43,473 0	3,823 0 0	50 0 0	5,867 0 0	1,092	1,092	2,184
Comparison.									
Total for corresponding week of previous year .	2,706	867 0 0	13,165 0	1,032 0 0	82 0 0	2,001 0 0	546	546	1,092
Per mile of railway corresponding period of previous year ..	69	22 0 0	338 0	26 0 0	2 0 0	51 0 0	... ..	....	... .
Total to corresponding date of previous year	6,562	2,190 0 0	31,500 0	2,503 0 0	128 0 0	4,821 0 0	1,248	1,248	2,496

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 16th July 1887.			Receipts for week ending 14th July 1888.			Total receipts from 1st April 1887 to 16th July 1887.			Total receipts from 1st April 1888 to 14th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	2,001	51	39	2,620	67	39	44,898	77	39	*51,616	88	6,718	.

* Audited up to week ending 9th June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 21st July 1888, on 27½ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,918	1,054 0	6,652 0	432 0 0	6 0 0	1,492 0 0	509	254	763
Or per mile of railway	107	39 0	244 0	16 0 0		55 0 0	... .	... ..	.
For previous 2 weeks of half-year	6,006	2,211 0 0	13,843 0	911 0 0	18 0 0	3,140 0 0	1,018	508	1,526
Total for 3 weeks ...	8,924	3,265 0 0	20,495 0	1,343 0 0	24 0 0	4,632 0 0	1,527	762	2,289
Comparison.									
Total for corresponding week of previous year	2,822	1,054 13 5	6,345 0	443 1 0	5 4 0	1,503 2 5	509	254	763
Per mile of railway corresponding week of previous year ...	104	39 0 0	233 0	16 0 0	... .	55 0 0	.. .	.. ..	
Total to corresponding date of previous year	10,200	3,799* 2 8	25,219 30	1,818 10 0	48 12 0	5,616 8 8	1,709	1,070½	2,779½

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,503	55	27½	1,492	55	27½	25,962	66	27½	29,696	68	726	..

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 21st July 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	34,000	11,100 0 0	1,29,520 0	10,231 0 0	2,470 0 0	23,801 0 0	5,466	4,852	10,318
Or per mile of railway	131	43 0 0	500 0	39 0 0	8 0 0	85 0 0*	......	......	......
For previous 2 weeks of half-year	67,628	23,449 0 0	3,23,748 0	26,031 0 0	5,450 0 0	54,930 0 0	11,216	11,526	22,742
Total for 3 weeks ...	101,632	34,549 0 0	4,53,263 0	36,262 0 0	7,920 0 0	78,731 0 0	16,682	16,378	33,060
Comparison.									
Total for corresponding week of previous year on 240 miles open	37,404½	12,418 14 11	1,41,732 20	11,458 13 0	7,036 9 6	30,914 5 5	6,425	5,422	11,847
Per mile of railway corresponding week of previous year ..	150	50 0 0	569 0	46 0 0	19 0 0	115 0 0*	......	......	......
Total to corresponding date of previous year	118,006½	38,779 12 10	5,06,108 10	40,705 12 0	13,420 7 1	92,905 15 11	21,965	18,765	40,730½

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
240	30,914	124	259	23,801	92	240	5,48,238	138	259	5,59,489	135	11,251	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 14th July 1888	9,193
Corresponding week last year	7,152
Increase	2,041
Receipts from 1st July to 14th July 1888	16,856
From 1st July to 16th July 1887	13,650
Increase	3,206
	Miles.
Miles open week ending 14th July 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 14th July 1888	180 4 1
Corresponding week last year	140 3 3
Increase	40 0 10

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CONTENTS.

EMIGRATION FROM THE PORT OF CALCUTTA DURING THE YEAR 1887.

GENERAL DEPARTMENT—COLONIAL EMIGRATION.

Calcutta, the 4th August 1888.

RESOLUTION.

READ—

The Report on Emigration from the Port of Calcutta during the year 1887.

The report is submitted by Dr. W. H. Gregg, the Officiating Protector of Emigrants, but the department was administered throughout the period under review by the permanent incumbent, Dr. J. G. Garrow Grant, who proceeded on furlough after the close of the year.

Requisitions for labourers.

2. The decline of the sugar industry continued to retard the flow of emigration to the colonies, and requisitions were in 1887 received from Demerara and Trinidad only, from the former for 2,625 adult labourers and from the latter for 2,000, the total thus aggregating 4,625, as against 7,010 in 1886, 6,430 in 1885, and 18,639 in 1884-85. In the current year, however, the demand for Indian labourers promises to be on a larger scale, as the colony of Demerara has already indented for 3,350 labourers, the Fiji and Guadeloupe Governments have also made requisitions, and there is a probability that the Government of Jamaica will shortly apply. The Protector of Immigrants in the last-mentioned colony has in his annual report made the following remarks:—

"The export duties on sugar and rum have been reduced by Law 20 of 1887 from Rs. 5-9 and Rs. 4 6 to Rs. 3 per hogshead and Rs 2-6 per puncheon, respectively, equal to a remission of about £5,000 a year of taxation for immigration purposes. This will no doubt prove a very welcome relief to the planting industry.

The past year has been on the whole a very productive one for the sugar industry. With a smaller acreage planted in canes the yield has been high, and the exports of sugar and rum up to the average of former years. In some districts the want of labour is again being felt, and unless immigration be recommenced at an early date, great difficulty will be experienced. Applications were some months ago made for 200 immigrants, but were not entertained by the Government."

Recruitment.

3. Licenses to the number of 345 were issued during the year—313 for the two agencies at work and 32 for the Fiji Agency, which, however, made no despatches—against 466 granted in 1886. It is satisfactory to observe that only three licenses were cancelled. The recruiters for the Demerara and Trinidad Agencies enlisted 6,882 persons, male and female. Of these, 2,607, against 4,002 in 1886, were registered in the Provinces of Bengal and Behar, 3,413 against 3,274 in the North-Western Provinces, and 862 against 997 in Oudh. The figures submitted by Dr. Gregg do not indicate any particularly noteworthy variations in the classification of districts according to the place of registration or the homes of emigrants, and the more extended recruitment remarked in the North-Western Provinces is in accordance with the experience of former years, that the natives of Lower Bengal generally, the Province of Behar excepted, are, unless pressed by privation, reluctant to emigrate to the colonies, notwithstanding the very favourable terms offered. There appears to have been no active rivalry between inland and colonial recruiters; but it is observed that recruitment for the colonies was most active during the months of June to October, when emigration to the tea districts is at the lowest ebb.

Depôts.

4. Of a total of 6,882 persons, 6,679 were admitted into the Calcutta depôts. The difference is accounted for by the occurrence of 6 deaths, 97 desertions, 76 detentions in the mofussil depôts, 11 rejections on the ground of unfitness, 2 refusals to emigrate, and 11 reclamations by relatives, figures which, on the whole, compare favourably with those of the preceding year. Inclusive of the balance of 1886, there were in the depôts 7,264 persons, of whom 49 died, 214 deserted, and 1,035 were discharged for various reasons by the agencies, the number of casualties thus reaching the figure of 17·86 per cent. This high percentage was due in great measure to the larger number of rejections (703), accounted for by the fact that the rejection of one person frequently results in the refusal to emigrate of other members of the same family. The health of the emigrants in the depôts was on the whole good, the mortality being only 0·67, and lower than in the year 1886. The general sanitary arrangements are reported by the Medical Inspector to have been excellent, and due attention appears to have been paid to the health and welfare of the inmates. Only 31 persons were detained for a period exceeding three months, and the detention of these was due to the sickliness of children.

Outward voyages.

5. The total number of persons who actually embarked for the colonies was 5,966, or 82·13 of the whole number recruited, Demerara being the destination of 3,836 and Trinidad that of the remaining 2,130. Of these, 3,639 were men, 1,518 women, and 809 children; while 565 of both sexes and of all ages were return emigrants, the majority from Demerara, Trinidad, Surinam, and Natal. The rule regulating the proportion of females to males in each shipment was fully complied with. The emigrants were despatched in 11 ships, the length of the voyage varying from 86 to 105 days, the aggregate mortality during the passage being 1·34 of the whole number embarked, and the death-rate exceeding 2 per cent. in only one instance.

Return emigrants

6. Six thousand four hundred and six emigrants returned from the colonies, and brought with them savings amounting to Rs. 7,06,458-5-3, or, on an average, more than Rs. 110 each. Those from Demerara (1,844) and Trinidad (546) had, as usual, amassed the largest sums, and the following highly reassuring remarks are quoted from the report of the Protector of Immigrants, Jamaica :—

"The East Indian immigrants continue to be the most prosperous portion of the community. The amount deposited by them in the Savings Bank during the financial year 1885-86 was £23,363 11*s.* 11*d*, as against £22,905 10*s.* 7*d.* during the previous year. The statistics for 1886-87 are not yet before me."

The death-rate on the return voyages was not excessive, and in a solitary case only did it exceed 3 per cent.

Estates of deceased emigrants.

7. Two hundred and twenty-nine estates of deceased emigrants, valued at Rs. 24,282-15-3, came under the administration of the Emigration Department during the year, and of these only 31, valued at Rs. 2,982-12-6, remained undisposed of, the enquiries for heirs not having been completed before the close of the year.

8. The thanks of the Lieutenant-Governor are due to Dr. Grant for the efficient manner in which he has continued to discharge the duties of his office, and also to Dr. Gregg for his careful report.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 4th August 1888.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		***Western Districts.***		
Burdwan Divn.	1	Burdwan August 4, '88	2·36	Weather—seasonable. Prospect of crops good. Common rice 20 seers per rupee.
		Culna ...	9·39	
		Cutwa ...	1·06	
		Ranigunge ...	5 62	
	2	Bankoora „ 4, '88	2·83	Weather—very hot and close. The condition and prospects of the crops are good Transplantation of rice is still proceeding.
	3	Birbhum „ 4, '88	8·44	Weather—cool with constant heavy rain till 2nd; now fine, bright and hot. The heavy rain has given a great stimulus to transplantation, which has been carried on vigorously. The rice crop is saved for the time
		Rampur Haut ...	7·06	
	4	Midnapur „ 4, '88	8·55	Weather—heavy rain throughout the district. Prospects of crops generally improved by the abundant rainfall. Transplanting going on everywhere.
	5	Hugli „ 4, '88	8·41	Weather—seasonable. Prospects of all crops much improved by the heavy rain of the week and are now normal.
		Serampur .	7 83	
		Jehanabad ...	7 27	
		Howrah „ 6, '88	3·19	Weather—seasonable. More rain much wanted.
		Ooloobaria ..	4·91	
		Central Districts.		
Presidency Divn.	6	24-Perghs. August 7, '88	3·54	Weather—hot and cloudy with occasional showers. Transplantation going on. More rain wanted.
	7	Nuddea „ 4, '88	7·33	Weather—close with generally heavy rain. Prospects of crops fair. *Aus* paddy is in ear in places. Transplantation of *amun* makes good progress Indigo manufacture continues.
		Kushtea ...	2 24	
		Meherpur ..	4·51	
		Chooadanga ...	4·29	
		Ranaghat	9·72	
	8	Khoolna „ 4, '88	6 95	Weather—showery early in the week; latterly fine. State and prospects of crops generally good.
	9	Jessore „ 4, '88	6 79	Weather—rather hot. Recent rain beneficial to standing crops. Harvesting of *aus* and transplantation of *amun* continue.
		Jhenidah	2 08	
		Magoora	2·50	
		Narail ..	3 25	
		Bongong ...	9·85	
	10	Moorshedabad „ 4, '88	3·31	Weather—early part of the week rainy, but very hot for the last two days, there being no rain. *Bhadoi* in ear and nearly ripe in some places. Prospects favourable. *Amun* getting on nicely.
		Lalbagh ..	3·41	
		Kandi .	5 90	
Rajshahye Divn.	11	Dinagepur „ 4, '88	6·14	Weather—hot and sultry. More rain wanted for transplantation, especially in the north and south of the district. *Bhadoi* outturn will be short.
		Thakurgaon ..	2 15	
	12	Rajshahye „ 4, '88	1 78	Weather—hot and fine. Rain wanted for transplantation and growth of *amun* seedlings. Harvesting of *aus* going on. Prospects of crops improved except in thana Manda. Price of rice stationary.
		Nattore ...	4·77	
		Nowgong .	3·13	
	13	Rungpur „ 4, '88	0 27	More rain wanted for the *amun* crops all over the district, especially in the Gaibanda sub-division.
		Kurigram .	1 97	
		Nilphamari ..	0 89	
		Gaibanda .	1 40	
	14	Bogra „ 4 '88	2 09	Weather—close and warm. Crops suffering for want of sufficient rain. Common rice selling at 23 seers per rupee.
		Sherpur .	3·89	
		Naukhila	4 31	
	15	Pubna „ 4, '88	2 14	Weather—rainy and cool in the beginning of the week; latterly fair and hot. Prospects of crops good Rivers rising fast.
		Serajgunge ..	3 23	
	16	Darjeeling „ 4, '88	3 38	Weather—variable; finer than usual at this time of year. All crops promise well.
	17	Julpigoree „ 4, '88	2 93	Weather—cloudy and very warm. *Aus* paddy is being harvested. Transplantation of *amun* going on, but is much retarded in the Alipore sub-division for want of rain.
		Eastern Districts.		
Dacca Division.	18	Dacca August „ 4, '88	6·65	Weather—mostly cloudy and hot. Jute and *aus* paddy being harvested; outturn good. Prospects of *amun* and other crops continue good. Rivers gradually rising.
		Manickgunge ...	6 31	
		Munshigunge ..	11 9	
		Narainpunge	7 76	
	19	Furreedpur „ 4, '88	4 65	Weather—rainy and cloudy. Prospects of crops fair
		Goalundo ..	3 8	
		Madaripur	7·83	
	20	Backergunge „ 2, '88	9 29	Weather—seasonable. Prospects of crops good. Recent rain has done good to the *aus* crop in Bhola and Patuakhali.
	21	Mymensingh „ 3, '88	8·18	Weather—hot. Prospects of crops fair.
		Jamalpur ...	4·53	
		Kishoregunge ..	3 10	
		Attia ...	3 8	
		Netrokona ...	6·44	

Division	No.	District and date of return.	Rainfall at Sadar Station in inches.	Condition of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		***Eastern Districts*—concld.**		
CHITTAGONG DIVN.	22	Chittagong August 3, '88	1·49	Weather—seasonable. *Amun* being planted. Prospects of crops favourable. Prices unchanged.
	23	Noakholly „ 3, '88	11·62	Weather—seasonable. Reaping of *aus* going on. Transplantation of *amun* progressing.
		Fenny ...	12·50	
	24	Tipperah „ 2, '88	6 91	Weather—seasonable. *Aus* and jute being reaped with fair outturn. Prospects of *amun* good.
		Brahmanbariah .	1·91	
		Chandpur ...	8·27	
	25	Chittagong Hill July 31, '88 Tracts.	5·07	Weather—rainy with occasional sunshine throughout the week. Rainfall of the week has improved the condition of *jum* paddy, and has facilitated transplanting of plough-paddy in low lands.
		Hill Tipperah August 1, '88	4 75	Weather—hot and cloudy. Early rice commenced to be reaped; fair outturn expected. Transplantation of *amun* paddy continues. *Jums* doing well.
BEHAR.				
PATNA DIVN.	26	Patna „ 4, '88	1·49	Weather—hot. Paddy transplantation going on. *Bhadoi* crops on dearah washed away by a rise of the Ganges; crops on uplands doing well. Weeding of *bhadoi* crops going on. Agricultural stock and pasturage adequate.
		Barh ...	8·45	
		Dinapur ...	4·55	
	27	Gya „ 4, '88	1·82	Weather—cloudy. Paddy is being transplanted. *Bhadoi* crops doing well. Still much more rain wanted.
	28	Shahabad „ 4, '88	3·06	Weather—hot and cloudy at intervals. Transplantation of paddy commenced throughout the district. Prospects of *bhadoi* continue fair. Prices stationary.
		Buxar ...	1·21	
		Sasseram ...	1·82	
		Bhabuah ...	3·20	
	29	Durbhunga „ 4, '88	1 89	Weather—occasionally cloudy. Prospects of *bhadoi* continue very favourable. Transplantation of rice progressing rapidly. Indigo manufacture going on. Price of common rice averages 18 seers per rupee.
	30	Mozufferpur „ 4, '88	2·69	Weather—rainy and hot Prospects of *bhadoi* crops favourable. Transplantation of paddy going on.
		Hajipur ...	7·20	
		Sitamarhi ...	0·23	
	31	Sarun „ 4, '88	0 93	Weather—hot and cloudy. Transplantation of paddy in full progress. *Bhadoi* doing well. All other crops on the ground continue very promising.
		Sewan ...	3·96	
	32	Chumparun „ 4 '88	2·94	Weather—hot and close. Transplantation of paddy is being pushed on, and approaching completion. Prospects of *bhadoi* good.
		Bettiah ...	3·24	
BHAGULPORE DIVN.	33	Monghyr „ 4, '88	6 22	Weather - hot and close. A break in the rains since 3rd instant. Transplantation of paddy has commenced in the Jamui sub-division. *Bhadoi* crops have suffered in places to some extent from heavy rain and rise of the Ganges.
		Jamui ...	3·08	
	34	Bhagulpur „ 4, '88	6·45	Weather—seasonable. Prospects of crops good.
		Banka ...	2 00	
		Mudehpura ...	3·28	
		Soopole ..	4·26	
	35	Purneah „ 4, '8-	2·36	Weather—fine with showers. Good *bhadoi* rice and jute harvest begun in the north. Transplanting of *aghani* continues.
		Kishengunge ...	1·36	
		Arrareah ...	3·17	
	36	Maldah „ 4, '88	3·73	Good rain during early part of the week. *Bhadoi* and *amun* paddy doing well. Damage to crops on dearah lands reported owing to rise of the Ganges. Common rice 19¾ seers per rupee.
		Chanchal ...	4·2	
		Shibgunge ...	5·71	
		Gajol ...	1·72	
	37	Sonthal Perghs. „ 4, '88	5 50	Weather—seasonable. *Bhadoi dhan* harvest begun in Rajmehal. Winter *dhan* being transplanted. All very busy. Prospects good.
		Deoghur ...	3·02	
		Godda ...	2 70	
		Jamtara ...	5 20	
		Rajmehal ...	2·11	
ORISSA				
ORISSA DIVN.	38	Cuttack „ 3, '88	0·40	Weather—hot but cloudy at times. *Beali* and *sarad* rice being weeded and transplanted, but in many places the operations are impeded for want of sufficient rain. In Jajpore there was sufficient rain during the week for agricultural operations.
	39	Pooree „ 2, '88	0 08	Weather—hot Rain is very urgently required for transplantation and puddling of the winter (*sarad*) crop. If sufficient rain does not fall shortly the crop will fail.
		Khoordah ..	0·50	
	40	Balasore „ 3, '88	3·54	Weather—seasonable. Rain general throughout the district: very heavy to the south-east. Transplanting of rice is being pushed on everywhere.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
CHOTA NAGPORE DIVN.	41	Hazaribagh August 3, '88	4·39	Weather—seasonable. Ample rain. A break required for the *bhadoi* crops Transplanting in progress. Prospects continue favourable
	42	Lohardugga „ 4, '88	3·19	Weather—showery during the week, with 2½ inches rain on one day More rain wanted for tranplantation of paddy. Prospects good. Prices steady.
		Palamow [for the week ending 30th July.] ...	3·77	
	43	Singbhoom „ 3, '88	1·78	Weather—seasonable, with rain and shunshine alternating. Crops reported well everywhere. Field operations being carried on and prospects satisfactory
	44	Manbhoom „ 4, '88	5·10	Weather—seasonable. Abundant rain fell during the week in all parts of the district. Prospects of *bhadoi* crops good. Transplanting three-fourths complete: prospects so far good.
		Govindpur ...	4·43	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 7th August 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	14 8	14 8	13 8		No sale		15 0	15 0	15 8	20 4	20 4	20 10	...	...	...
2	Bankoora ...	13 8	13 8	15 8	16 0	16 0	20 0	16 4	16 4	16 8	19 0	18 0	21 14	...	...	...
3	Beerbhoom ...	15 0	15 0	18 0	...	...	18 0	15 0	15 0	18 0	18 12	19 8	22 8	...	...	...
4	Midnapore ...	13 5	13 5	13 0	40 0	40 0	...	16 0	16 0	18 0	23 0	23 0	23 0	...	...	...
5	Hooghly ...	14 0	14 0	14 0	...	...	...	10 0	10 0	10 0	18 0	18 0	17 0	...	...	...
	Howrah ...	Not	available.		...	...	...	13 4	13 8	12 8	19 0	19 10	17 12	...	...	...
	Central Districts.															
	Calcutta ..	13 4	13 6	13 4	19 12	19 10	20 14	11 11	11 9	8 12	16 14	16 14	16 8	17 14	20 6	20 0
6	24-Pergunnahs	14 0	14 0	14 0	21 8	20 0	25 0	8 0	8 0	8 0	18 0	18 0	16 13	...	...	...
7	Nuddea ...	16 0	15 14	16 0	26 10½	24 12	32 0	14 8	14 8	15 4	17 8	17 10	19 2	...	...	...
8	Khoolna ...	...	...	...	...	...	...	18 5	18 0	18 0	21 0	20 12	21 0	...	...	...
9	Jessore ...	16 0	16 0	16 0	...	...	...	16 0	16 0	16 0	21 0	19 0	21 4	...	...	...
10	Moorshedabad	15 0	15 0	15 0	...	...	...	15 0	16 0	15 0	19 0	21 0	22 0	...	...	...
11	Dinagepore ...	12 0	14 2	12 0	18 0	...	28 0	16 0	18 0	16 3	21 12	22 0	20 13	...	...	...
12	Rajshahye ...	18 0	18 0	17 4	45 0	45 0	45 0	16 8	15 12	15 2	19 8	19 8	18 12	...	...	...
13	Rungpore ...	17 12	17 12	18 12	...	...	...	13 4	13 4	15 3	20 0	20 0	17 12	...	...	...
14	Bogra ...	15 12	17 4	17 4	...	...	...	15 12	15 0	13 8	22 8	24 0	21 0	...	...	...
15	Pubna ...	18 0	18 12	19 0	...	...	...	8 4	8 4	8 0	21 0	22 8	24 0	...	...	...
16	Darjeeling ...	10 0	10 0	9 0	10 0	10 0	13 0	5 0	5 0	5 0	14 0	14 0	13 0	...	...	...
17	Julpigoree ...	13 0	13 0	12 0	20 0	20 0	20 0	13 0	13 0	13 0	20 0	20 0	20 0	...	...	...
	Eastern Districts.															
18	Dacca ...	16 0	16 0	14 8	30 0	30 0	26 0	18 0	19 0	17 0	20 0	21 0	20 0	...	...	...
19	Furreedpore ...	20 0	22 0	20 0	30 0	30 0	26 0	15 0	15 0	17 0	20 0	20 0	21 0	...	...	...
20	Backergunge ...	...	...	...	...	...	...	16 0	16 14	16 0	18 13	19 0	13 0	...	...	...
21	Mymensingh ...	12 0	12 8	12 4	...	...	...	15 0	16 0	14 0	16 12	19 0	18 8	...	...	...

A In sub-divisions retail prices of salt per rupee are :—Cutwa 10½ seers, Raneegunge 11 seers, and Culna 10½ seers.
B At Bishenpore retail price of salt 10 seers per rupee.
C At Rampore Haut retail prices of salt 11½ seers per rupee.
D In sub-divisions retail prices of salt per rupee are :—Ghattal 11½ seers, Tumlook 8 seers, and Contai 9 seers.
E In sub-divisions retail prices of salt per rupee are :—Serampore 11 seers and Jehanabad 10½ seers.
E1 In sub-divisions retail prices of salt per rupee are :—Baraset and Basirhat 9 seers, Diamond Harbour (at Magrahat) 8 seers, Barrackpore 9½ seers, Dum-Dum 10 seers.
F In sub-divisions retail prices of salt per rupee are :—Kooshtea, Chooadanga, and Ranaghat 10 seers, and Meherpore 10½ seers.
G In sub-division retail price of salt per rupee are :—Satkhira 9 seers 2½ chittacks and Bagirhat 8 seers.
H In sub-divisions retail prices of salt per rupee are :—Jhenida and Magura 9 seers, Narail 7½ seers, and Bongong 10 seers.

Head-Quarter Station Bazars of the Districts of Bengal on the 31st July 1888.

Salt.			Wholesale prices per maund of 40 seers. Salt.			Average wages per month. Able-bodied agricultural labourer.			Syce or horse-keeper.			Common mason, carpenter, or blacksmith.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	**BENGAL.** *Western Districts.*
A 10 14	10 14	13 7	3 9 0	3 9 0	2 14 0	8 0	8 0	8 0	6 8*	6 8	6 8	10 0 to 15 0	10 0 to 15 0	10 0 to 15 0	Burdwan.
B 10 0	10 0	12 0	......	......	3 3 0	5 0 to 9 0	5 0 to 9 0	6 0 to 10 0	4 0 to 7 8	4 0 to 7 8	5 0 to 8 0	7 0 to 15 0	7 0 to 15 0	8 0 to 16 0	Bankoora.
C 10 0	10 0	12 12	3 13 0	3 13 0	3 0 0	6 0	4 0 to 6 0	4 0 to 6 0	6 0	5 0	5 0	7 8 to 10 0	7 8 to 10 0	7 8 to 10 0	Beerbhoom.
D 10 8	10 8	13 0	3 12 0	3 12 0	3 1 0	6 0	6 0	6 0	5 0 to 6 0	5 0	6 0	7 8 to 11 4	7 8 to 10 0	7 8 to 9 0	Midnapore.
E 9 0	9 0	13 8	4 6 0	4 6 0	2 14 0	9-13 6	10 0	7 8	5 0	6 0 to 7 0	5 0	15 0 to 25 0	12 0 to 25 0	10 0 to 20 0	Hooghly.
10 0	10 0	12 8	3 10 0	3 11 0	2 15 0	7 8 to 15 0	7 8 to 15 0	7 8 to 15 0	7 0	7 0	7 0	12 0 to 25 0	12 0 to 25 0	12 0 to 25 0	Howrah.
						(Coolies.)								(Mason.)	*Central Districts.*
10 10	10 10	13 0	3 7 8	3 7 7	3 0 0	8 8	12	12 0	7 0	7 0	7 0	16 0 to 20 0	16 0 to 20 0	15 0	Calcutta.
E1 10 8	10 8	12 8	3 8 0	3 7 [illegible]	2 15 6	10 0	10 8	10 0	8 0 to 9 0	6 0	6 0	15 0 to 25 0	15 0 to 20 0	15 0 to 20 0	24-Pergunnahs.
F 9 13	9 13	11 10½	3 12 0	3 12 0	3 0 0	6 0	6 0	6 0	6 0	6 0	6 0	7 8 to 15 0	7 8 to 15 0	7 8 to 15 0	Nuddea.
G 10 0	10 0	10 8	......	......	3 12 0	7 8 to 9 6	9 0 to 15 9	9 0 to 15 0	7 0 to 8 0	6 0 to 8 0	6 0 to 8 0	15 0 to 30 0	10 0 to 16 0	10 0 to 16 0	Khoolna.
H 10 8	10 8	10 12	3 14 0	3 12 0	3 2 0	5 0 to 7 8	7 8	7 8	4 0 to 6 0	6 0 to 7 0	6 0 to 7 0	10 0 to 15 0	15 0	15 0	Jessore.
I 10 8	10 8	12 0	3 12 0	3 12 0	3 5 0	5 0	5 0	5 0	5 0	5 0	5 0	7 8	7 8	7 8	Moorshedabad.
10 0	10 0	12 8	3 14 0	3 14 0	3 2 0	7 8	7 8	7 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	10 0 to 15 0	10 0 to 15 0	10 0 to 15 0	Dinagepore.
J 9 12	9 0	12 0	3 13 4	3 13 4	3 1 3	5 0 to 6 0	5 0 to 6 0	6 0 to 7 0	5 0 to 6 0	5 0 to 6 0	5 0 to 6 0	8 0 to 14 0	8 0 to 14 0	10 0 to 14 0	Rajshahye.
K 10 0	10 0	10 5	......	......	3 8 0	7 8	7 8	7 8	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	8 0 to 30 0	12 0 to 15 0	12 0 to 15 0	Rungpore.
9 12	9 0	10 8	4 0 0	4 0 0	3 5 4	6 0 to 7 8	7 0 to 7 8	6 0 to 7 8	5 0 to 7 0	6 0 to 7 0	5 0 to 7 8	10 0 to 20 0	6 0 to 7 0	10 0 to 22 0	Bogra.
L 10 0	10 0	12 0	......	......	3 5 0	5 0 to 7 0	6 0 to 7 8	6 0 to 7 8	6 0 to 10 0	6 0 to 10 0	5 0 to 6 0	8 0 to 20 0	12 0 to 20 0	12 0 to 20 0	Pubna.
M 8 0	8 0	9 0	......	......	4 4 0	6 0	6 0	6 0	7 0 to 9 0	7 8 to 9 0	7 8 to 9 0	12 0 to 22 0	12 0 to 22 0	12 0 to 22 0	Darjeeling.
N 9 0	9 8	11 0	4 4 0	4 0 0	3 6 0	7 8	6 0	7 8	7 0	7 0	8 0	15 0 to 16 0	12 0 to 16 0	15 0 to 25 0	Julpigoree.
															Eastern Districts.
O 8 8	8 8	12 0	4 4 0	4 4 0	3 3 0	6 0 to 8 0	6 0 to 8 0	5 8 to 8 0	8 0 to 16 0	5 0 to 8 0	8 0	8 0 to 20 0	8 0 to 20 0	8 0 to 30 0	Dacca.
9 0	9 0	12 0	4 5 0	4 5 0	3 1 0	7 8	7 8	7 0	7 0	7 0	7 0	10 0 to 15 0	12 0 to 15 0	12 0 to 15 0	Furreedpore.
P 10 10	10 10	12 0	3 12 0	3 12 0	3 4 0	7 8	8 0	8 0	6 0	6 0	6 0	12 0 to 15 0	12 0 to 15 0	10 0 to 15 0	Backergunge.
Q 9 12	8 8	12 0	4 0 0	4 6 0	3 4 0	7 0 to 10 0	7 0 to 10 0	7 0 to 10 0	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	12 0 to 30 0	12 0 to 30 0	12 0 to 30 0	Mymensingh.

* Rs. 6-8 and lodging and perquisites.

- I In sub-divisions retail prices of salt per rupee are:—Lalbagh and Jungipore 10 seers and Kandi 10½ seers.
- J In sub-divisions retail price of salt per rupee are:—Nattore 9½ seers and Nowgong 9 seers 9 chittacks.
- K In sub-divisions retail prices of salt per rupee are:—Nilphamari 10 seers, Gaibanda 7½ seers, and Kurigram 9 seers.
- L In Serajgunge retail price of salt 11½ seers per rupee.
- M Retail price of salt at Kurseong 7 seers and Silliguri 9 seers per rupee.
- N At Pullacutta in Alipore sub-division retail price of salt 8 seers per rupee.
- O In sub-divisions retail prices of salt per rupee are:—Manickgunge 9 seers, Munshigunge 8½ seers, and Naraingunge 10 seers.
- P In sub-divisions retail prices of salt per rupee are:—Patuakhali 8 seers, Perozepore 9 seers, and Buola 10½ seers.
- Q In sub-divisions retail prices of salt per rupee are:—Kishoregunge, Jamalpore and Sherepore 8 seers, Attea 10 seers, and Netrokona 9 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare.) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	Eastern Districts—concluded.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	11 8	12 0	16 0	...	...	...	13 0	13 0	12 0	18 5	18 0	16 13	...	...	...
23	Noakholly ...	...	...	...	...	...	...	18 0	18 0	20 0	20 0	20 0	22 0	...	...	...
24	Tipperah ...	12 8	12 8	11 14	...	...	...	17 8	17 8	15 12	22 0	22 0	19 9½	...	...	...
25	Chittagong Hill Tracts.	...	...	...	...	...	...	13 5	13 5	11 7	14 8	16 0	12 5	...	...	...
	Hill Tipperah...	8 0	8 0	12 0	...	...	...	12 0	12 0	10 0	22 0	22 0	17 0	...	...	...
	BEHAR.															
26	Patna ...	19 8	19 8	18 0	24 0	24 0	28 0	13 8	11 8	11 8	19 3	19 3	20 0	...	...	26 0
27	Gya ...	16 8	17 0	16 0	21 0	20 0	33 0	11 0	11 0	9 8	16 0	16 0	18 8	...	...	...
28	Shahabad ...	17 0	17 0	16 0	22 8	22 0	29 0	10 0	8 0	10 0	15 8	15 0	16 0	...	...	...
29	Durbhunga ...	16 12	15 0	18 8	25 0	20 0	33 0	14 8	14 0	12 0	19 0	10 0	18 0	...	...	...
30	Mozufferpore ...	16 0	16 0	20 0	25 0	25 0	30 0	12 0	12 0	12 0	16 0	17 0	20 0	...	...	...
31	Sarun ...	17 0	17 0	14 8	22 12	22 12	27 0	9 8	9 8	8 0	18 12	18 8	20 0	...	...	...
32	Chumparun ...	17 0	17 0	20 0	27 0	28 0	36 0	8 0	7 0	8 0	16 0	16 0	16 0	...	...	...
33	Monghyr ...	17 14	17 14	18 9	22 4	22 2	33 8	13 1	13 14	13 14	15 12	15 12	16 12	...	...	...
34	Bhagulpore ...	17 0	17 10	17 10	22 11	22 11	35 5	13 14	13 14	16 6	16 6	17 10	18 15	...	...	...
35	Purneah ...	16 0	18 0	16 0	...	...	...	16 0	18 0	16 0	20 0	24 0	17 0	...	...	...
36	Maldah ...	18 0	17 0	16 0	...	...	...	13 0	13 0	13 0	19 0	19 8	23 0	...	...	...
37	Sonthal Perghs.	13 0	13 0	13 0	...	...	...	15 0	16 0	17 0	17 0	18 0	25 0	...	...	...
	ORISSA															
38	Cuttack ...	15 12	10 8	17 1	...	...	...	10 8	10 8	11 13	17 1*	19 11	19 11	...	...	...
39	Pooree ...	11 13	10 8	11 13	...	...	...	11 13	11 13	13 2	18 6†	21 0	21 0	...	...	...
40	Balasore ...	14 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	16 0	21 6	21 6	25 0	...	...	...
	CHOTA NAGPORE. *South-West Frontier Agency*															
41	Hazaribagh ...	13 8	13 8	17 0	16 0	18 0	17 0	7 0	7 0	9 0	13 8	13 8	17 0	Not procurable.		
42	Lohardugga ...	12 8	12 8	21 0	Not available.			15 0	15 0	17 0	16 0	17 0	22 0	Not available.		
43	Singbhoom.* ...	13 0	12 0	20 0	16 0	16 0	22 0	12 0	12 0	20 0	16 0	16 0	24 0	...	...	...
44	Manbhoom ...	12 4	12 5	17 0	...	...	36 0	12 0	13 0	17 0	14 8	18 8	25 0	...	...	...

* Common rice sells at 21 seers per rupee at Jajpore and 26½ seers at Kendrapara.
† In the Khordh subdivision common rice is quoted at 15½ seers per rupee against 21 seers per rupee at this time last year.
R At Cox's Bazar retail price of salt 8 seers per rupee.
S At Panchgachia in the Fenny sub-division retail price of salt 8 seers per rupee.
T In sub-divisions retail prices of salt per rupee are :—Buxar 10½ seers, Bhabuah 9 seers, and Sasseram 10 seers.
U In sub-divisions retail prices of salt per rupee are :—Madhubani 10 seers and Tajpore 10½ seers.
V At Hajipore retail price of salt 10 seers per rupee.

CALCUTTA,
The 7th August 1888.

Station Bazars of the Districts of Bengal on the 31st July 1888—(concluded).

Salt (retail): Present return.	Salt (retail): Next preceding return.	Salt (retail): Corresponding return of last year.	Wholesale prices per maund of 40 seers — Salt: Present return.	Salt: Next preceding return.	Salt: Corresponding return of last year.	Average wages per month — Able-bodied Agricultural Labourer: Present return.	Labourer: Next preceding return.	Labourer: Corresponding return of last year.	Syce or Horse-keeper: Present return.	Syce: Next preceding return.	Syce: Corresponding return of last year.	Common Mason, Carpenter, or Blacksmith: Present return.	Mason: Next preceding return.	Mason: Corresponding return of last year.	DISTRICTS.
															Eastern Districts—concluded.
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	
R 9 0	9 0	8 4	3 14 0	3 14 0	4 6 0	8 0	10 8	9 0 to 11 0	8 0	7 8	7 0 to 8 0	9 0 to 11 4	9 8 to 12 8	8 0 to 12 0	Chittagong.
S 8 0	8 0	9 0	4 8 0	4 8 0	3 8 0	7 8 to 9 0	7 0 to 10 0	7 0 to 8 0	4 0 to 7 0	5 0 to 7 0	5 0 to 7 0	8 0 to 15 0	7 0 to 20 0	8 0 to 15 0	Noakholly.
8 0	8 0	11 0	4 10 0	4 10 0	3 7 0	7 0 to 10 0	10 0	6 0 to 9 0	7 0 to 8 0	8 0	6 0 to 7 0	8 0 to 15 0	12 0 to 15 0	7 0 to 16 0	Tipperah.
......	......	8 0	5 0 0	5 0 0	4 8 0	9 6	9 6	9 6	..	...	...	...	...	...	Chittagong Hill Tracts.
9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	8 0	8 0	8 0	6 0	6 0	6 0	15 0	15 0	15 0	Hill Tipperah.
															EHAR.
10 0	10 0	11 12	3 10 0	3 10 0	3 1 6	4 0 to 5 0	4 8 to 5 0	4 0 to 5 0	4 8 to 5 0	4 8 to 5 0	4 8 to 5 0	7 8 to 8 0	6 0 to 8 0	6 0 to 8 0	Patna.
9 0	10 0	11 0	4 4 0	......	3 5 0	2 8 to 3 0	2 8 to 3 0	2 8 to 3 0	3 0 to 5 0	3 3 to 5 0	3 0 to 5 0	6 0 to 8 0	6 0 to 8 3	6 0 to 8 0	Gya.
T 10 0	10 0	12 8	......	......	......	5 0	5 0	5 0	4 0 to 6 0	4 0 to 6 0	5 0 to 6 6	6 0 to 7 8	6 0 to 7 8	6 0 to 7 8	Shahabad.
U	10 0	11 8	3 10 0	3 8 0	3 4 0	2 12 to 5 0	2 8 to 5 0	2 12 to 5 0	3 0 to 5 0	2 8 to 5 0	3 0 to 5 0	3 12 to 9 8	3 8 to 8 8	3 12 to 9 8	Durbhunga.
V 10 0	10 0	12 0	3 12 0	3 12 0	3 4 0	3 0 to 5 0	3 0 to 5 0	3 0 to 5 0	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	5 0 to 8 0	5 0 to 8 0	5 0 to 8 0	Mozufferpore
10 4	10 4	12 0	3 12 6	3 12 6	3 2 0	3 12 to 7 8	3 12 to 7 8	3 12 to 7 8	4 0 to 7 0	4 0 to 7 0	4 0 to 6 0	6 9 to 10 0	6 9 to 10 0	6 9 to 10 0	Sarun.
W 10 0	8 0	12 0	3 14 0	4 0 0	3 4 0	2 13 to 3 12	3 12	6 8	4 0 to 6 0	4 0	4 0	5 12 to 9 0	7 8	7 8	Chumparun.
X 10 8	10 0	12 9	3 10 9	......	3 0 0	4 0 to 5 0	5 10	4 0 to 5 0	3 0 to 5 0	3 0 to 4 0	3 0 to 5 0	5 0 to 12 0	6 0 to 8 0	5 0 to 12 0	Monghyr.
10 0	10 1	12 10	3 11 0	3 14 0	3 0 0	3 12 to 5 10	3 12 to 5 10	3 12 to 5 10	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	5 10 to 11 4	6 9 to 11 4	6 9 to 11 4	Bhagulpore.
Y 9 0	9 0	10 8	4 3 3	4 6 0	3 8 0	4 11 to 5 10	4 11 to 5 10	4 11 to 5 10	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	7 0 to 16 0	7 0 to 16 0	7 0 to 16 0	Purneah.
9 8	9 8	11 0	4 0 0	4 0 0	3 7 0	7 0	5 0	5 0	5 0	5 0	5 0	7 0 to 12 0	7 0 to 15 0	7 0 to 11 0	Maldah.
9 8	10 0	11 8	3 14 6	3 14 6	3 4 6	3 12	3 12	3 12	5 0	5 0	5 0	7 8 to 9 6	7 8 to 9 6	7 8 to 9 6	Sonthal Perghs.
															ORISSA.
8 0	8 0	12 0	4 7 0	4 7 0	2 12 0	5 10	5 10	5 10	4 0	4 0	4 0	7 8 to 10 0	7 8 to 10 0	7 8 to 10 0	Cuttack.
Z 8 0	8 0	14 7	4 10 0	4 10 0	2 10 0	6 0	6 0	6 0	5 0	5 0	5 0	8 0 to 10 0	8 0 to 10 0	8 0 to 10 0	Pooree.
Z1 9 8	9 8	10 8	3 14 0	4 0 0	3 5 0	5 10 to 7 8	5 10 to 7 8	5 10 to 7 8	4 0 to 6 0	4 0 to 6 0	4 0 to 6 0	7 8 to 10 0	7 8 to 9 6	7 8 to 9 6	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
8 0	8 0	10 0	4 4 0	4 4 0	3 8 0	3 12 0	3 12	3 12	5 0	3 0 to 4 0	4 0	8 0	7 8	8 0	Hazaribagh.
Z2 8 8	8 8	9 12	4 12 0	4 14 0	4 0 0	3-4-6 to 3-12-0	3-4-6 to 3-12-0	3 0 to 4 8	3 8 to 6 0	3 0 to 4 8	3 8 to 5 0	4 11 to 14 1	6 0 to 12 0	6 0 to 12 0	Lohardugga.
8 8	8 8	9 0	5 12 0	5 12 0	4 0 0	3 0	3 0	3 0	5 0	4 0	4 8	12 0 to 15 0	10 0 to 12 0	5 0 to 12 0	Singbhoom.
Z3 8 0	8 0	10 10	4 8 0	4 6 0	3 8 0	4-3-6	5 0	4-3-6	5 0	4 0	4 0	13 2 to 14 1	11 0	10 5 to 13 2	Manbhoom.

W At Bettiah retail price of salt 10 seers per rupee.
X In sub-divisions retail prices of salt per rupee are:—Begusarai 9½ seers and Jamui 9 seers.
Y In sub-divisions retail prices of salt per rupee are: Kishengunge 9 seers and Raniganj 10 seers.
Z In Khordah sub-division retail price of salt 8 seers per rupee.
Z1 At Bhudruck retail price of salt 9 seers per rupee.
Z2 At Daltongunge retail price of salt 7·56 seers per rupee.
Z3 At Govindpore retail price of salt 10 seers per rupee.

Published for general information.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 12 1	2 11 7	2 13 0	1 12 4	1 12 8	1 6 4	3 3 0	3 3 7	3 12 0	2 2 1	2 2 0	2 2 3
2	Serajgunge ...	2 2 0	2 2 0	2 3 0	...	...	...	3 6 0	3 6 0	3 10 0	1 12 0	1 12 0	2 0 0
3	Dacca ...	2 8 0	2 8 0	2 11 0	1 4 0	1 4 0	1 6 0	2 2 0	2 0 0	2 6 0	1 15 0	1 14 0	1 15 0
4	Naraingunge	...	...	...	...	...	...	2 0 0	2 0 0	2 2 0	1 12 0	1 12 0	2 1 0
5	Chittagong ...	3 6 0	3 4 0	2 6 0	...	...	...	2 14 0	2 14 0	3 0 0	2 1 0	2 2 0	2 6 0
6	Patna ...	2 0 0	2 0 0	2 4 0	1 9 0	1 10 0	1 5 3	2 13 6	3 0 0	3 0 0	2 1 0	2 1 0	1 14 6
7	Balasore ...	2 12 0	2 8 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	2 8 0	1 10 0	1 10 0	1 7 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	2 6 0	1 14 0	1 14 0
9	Cuttack ...	3 5 0	3 10 0	2 2 0	...	...	...	3 10 0	3 10 0	3 4 0	2 2 0	2 0 0	2 0 0

CALCUTTA,
The 7th August 1888.

undermentioned Marts of Bengal on the 31st July 1888.

Gram, Chana, Chhola, Cadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur. Cajan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 13 7	1 12 6	1 11 6	2 0 4	1 12 4	2 0 0	1 13 8	1 14 5	1 15 0	0 6 1	0 6 0	0 6 9	3 7 6	3 7 7	3 0 0	Calcutta.
2 4 0	2 4 0	2 1 0	...	...	...	...	...	...	...	...	...	3 10 0	3 5 0	2 12 0	Serajgunge.
2 6 0	2 2 0	1 14 0	...	...	...	2 8 0	2 4 0	2 0 0	0 5 0	0 5 0	0 5 0	4 4 0	4 4 0	3 3 0	Dacca.
2 4 0	2 4 0	2 0 0	...	...	...	2 8 0	2 8 0	2 8 0	0 10 0	0 10 0	0 8 0	3 12 0	3 12 0	3 2 0	Naraingunge.
2 6 0	2 6 0	2 6 0	...	...	...	3 12 0	3 12 0	4 8 0	0 5 0	0 5 0	...	3 14 0	3 14 0	4 6 0	Chittagong.
1 9 0	1 8 0	1 5 6	...	...	1 8 0	1 7 0	1 7 0	1 8 0	0 4 0	0 5 0	0 5 0	3 10 0	3 10 0	3 1 6	Patna.
2 4 0	2 6 0	2 8 0	...	...	...	3 0 0	3 2 0	3 5 0	0 4 0	0 4 0	0 4 0	3 14 0	4 0 0	3 5 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	4 10 0	4 10 0	2 10 0	Pooree.
(Kallai). 2 2 0	2 2 0	2 2 0	...	...	...	2 0 0	2 5 0	2 0 0	0 8 0	0 8 0	0 8 0	4 7 0	4 7 0	2 12 0	Cuttack.

Published for general information.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

Names of Marts.	Stock in hand as compiled on—												
	1st week of August 1887.	1st week of Sept. 1887.	1st week of Oct. 1887.	1st week of Nov. 1887.	1st week of Dec. 1887.	1st week of Jan. 1888.	1st week of Feb. 1888.	1st week of Mar. 1888.	1st week of April 1888.	1st week of May 1888.	1st week of June 1888.	1st week of July 1888.	1st week of August 1888.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	6,72,000	5,51,000	5,13,000	4,66,000	3,42,000	3,97,000	7,84,000	5,54,000	10,07,000	9,43,000	8,66,000	7,67,000	6,45,000
Ooltadanga	53,600	67,000	66,100	63,900	70,400	78,000	75,900	87,700	1,64,200	1,42,900	1,43,380	1,34,400	1,10,400
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpy Ghât.	6,17,200	5,29,500	6,14,500	6,12,100	6,27,800	5,74,800	4,82,200	6,06,100	6,61,500	6,73,100	6,40,900	6,17,600	5,20,800
Pathuriaghatta, Posta, and Jorabagan.	2,000	2,500	3,000	4,000	5,000	5,000	4,000	3,700	5,000	4,000	4,000	3,700	4,000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1,07,300	1,07,100	1,09,500	99,400	88,100	1,20,700	1,47,600	1,98,100	1,96,600	1,44,700	1,44,500	1,38,800	1,08,400
21 Minor Bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,130 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreesur, and Chandernagore.	34,740	51,262	40,759	30,616	21,031	27,629	12,194	9,277	13,342	13,210	15,687	14,455	51,646
Total ...	19,77,340	17,98,362	18,36,859	17,66,016	16,44,331	16,93,129	19,95,894	22,48,877	25,37,142	24,10,910	23,13,387	20,99,955	20,00,346
On Railway premises on both sides of the river.	4,244 (on 4th August 1887.)	13,930 (on 3rd September '87.)	6,732 (on 10th October 1887.)	7,616 (on 4th Nov. 1887.)	4,532 (on 5th Dec. 1887.)	15,026 (on 4th January '88.)	13,458 (on 3rd Feb. 1888.)	22,936 (on 3rd March 1888.)	22,345 (on 4th April 1888.)	8,290 (on 4th May 1888.)	7,458 (on 4th June 1888.)	7,634 (on 4th July 1888.)	2,285 (on 4th August 1888.)
On boats unloaded ... By Port Commissioners' returns.	79,980 (1st to 3rd August 1887.)	50,919 (1st to 3rd September '87.)	48,466 (4th to 6th October 1887.)	23,645 (1st to 3rd Nov. 1887.)	45,456 (1st to 3rd Dec. 1887.)	89,865 (on 3rd to 5th January '88.)	83,731 (1st to 3rd Feb. 1888.)	70,553 (1st to 3rd March 1888.)	46,846 (1st to 3rd April 1888.)	14,621 (1st to 3rd May 1888.)	36,673 (1st to 3rd June 1888.)	34,787 (1st to 3rd July 1888.)	52,644 (1st to 3rd August 1888.)
On boats unloaded ... By Canal returns	23,344 (1st to 3rd August 1887.)	53,107 (1st to 3rd September '87.)	53,320 (1st to 3rd October 1887.)	45,191 (1st to 3rd Nov. 1887.)	51,337 (1st to 3rd Dec. 1887.)	1,42,639 (1st to 3rd January '88.)	2,13,833 (1st to 3rd Feb. 1888.)	1,91,087 (1st to 3rd March 1888.)	85,659 (1st to 3rd April 1888.)	46,728 (1st to 3rd May 1888.)	25,540 (1st to 3rd June 1888.)	23,366 (1st to 3rd July 1888.)	38,091 (1st to 3rd August 1888.)
Grand Total of Stocks ...	20,89,908	19,81,318	19,39,367	18,42,468	17,45,646	19,40,659	23,06,916	25,33,453	26,91,992	24,79,949	23,88,067	21,72,738	20,95,236
Probable stock available for exportation by sea.	10½ lakhs	8¾ lakhs	8¾ lakhs	8 lakhs	7½ lakhs	9½ lakhs	12½ lakhs	14¾ lakhs	16¾ lakhs	14¾ lakhs	12¾ lakhs	11¾ lakhs.	10½ lakhs.

STATISTICAL DEPARTMENT,
The 6th August 1888.

H. J. S. COTTON,
Offg. Secretary to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of July 1888.

		Date.	Hour.
	Inches.		
The mean pressure of the month	29·525		
The average pressure of July from 24 years' registers ...	29 537		
The highest pressure in the month	29·657	30th	22h.
The lowest pressure in the month	29·351	19th	16h.
The range of pressure	0·306		
	Hours.		
The total number of hours of bright sunshine during the month	89 4		
The maximum possible number of hours of sunshine ...	413·1		
	⊖		
The mean temperature of the month	83·1		
The average temperature of July from 24 years' registers ...	83·5		
The highest temperature in the month	92·5	16th & 18th	
The lowest temperature in the month	75·2	31st	
The range of temperature during the month	17·3		
The mean daily range of temperature	9·6		
The greatest range of temperature in one day	15·0	3rd	
	Per cent.		
The mean humidity of the month	86		
The average humidity of July from 24 years' registers ...	85		
	Inches.		
The mean vapour tension of the month	0·980		
The average vapour tension of July from 9 years' registers ...	1·002		
The mean cloud proportion of the month	8·37		
The average cloud proportion of July from 11 years' registers	8·12		
	Inches.		
The total rainfall of the month	12 25		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the guage about 52 feet above the ground)	11·88		
The average fall of July from 48 years' registers ...	12·84		
The greatest fall in 24 hours	1·66	2nd	
	Days.		
The number of rainy days in the month	24		
The average number of rainy days in July from 24 years' registers	25		
	●		
The mean maximum equilibrium temperature of solar radiation during the month	142 7		
The mean difference of sun and air temperatures	54·8		
The greatest sun temperature	158·5	1st	
The greatest excess of sun over air temperature	70·6	1st	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	76·6		
The mean depression of the noctural radiation thermometer below the minimum air temperature at 4 feet above the ground	1·7		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	3·0	12th	
	Miles.		
The mean movement of the wind per day	128·8		
The greatest movement of the wind in one day	216·0	14th	
The greatest movement of the wind in one hour	24·0	20th, 11 to noon.	

The number of hours with winds from each of the 8 points—

N. 3, NE. 16, E. 71, SE. 136, S. 205, SW. 238, W. 55, NW. 8, Calm 12.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0·6° higher; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

J. Eliot,
Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, India;
Calcutta, the 6th August 1888.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS.													
			Air pressure.			Wind.		Temperature.								
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree	29·648	29·660	—	SSW & Calm	261	89 7	29th & 30th July	81·0	28th & 29th July	88·5	81·6	85·1	—	82·4
		Gopalpore	29·622	29·672	+·010	SSW	408	89·7	29th "	81·8	28th "	88·2	82·8	85·5	+2·5	87·2
		False Point	29·643	29·664	+·045	SSW	247	93·5	29th "	77·1	29th "	89·8	79·3	84·6	+2·1	86·3
	Cuttack	Cuttack	29·587	29·667	+·058	Calm	45	97·0	3rd Aug.	78·9	31st July 2nd,3rd Aug.	93·2	79·7	86·5	+2 9	86·8
	Balasore	Balasore	29·599	29·657	+·009	SSW	129·0	94·4	29th July	74·8	1st "	89·4	77·6	83·5	+1·5	84·8
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·637	29·663	+·063	SSW	41·1	902	3rd Aug.	77·5	30th, 31st July	87·8	80·4	84·1	+0·9	84·1
	Midnapore	Midnapore	29·522	29·672	+·079	S & SW	70 2	93·3	29th July	76·3	31st July & 1st Aug.	88·4	78·5	83·5	+0·6	84·4
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·623	29·645	+·061	South-westerly.	113	91·5	3rd Aug.	75·2	31st July	86·6	78·0	82·3	—0·7	82·1
	Burdwan	Burdwan	29·529	29·629	+·043	Variable	55·0	92·8	29th July & 3rd Aug.	70·4	29th "	89·9	79·0	84·5	+0·5	82·8
	Bankoora	Bankoora	29·332	—	—	Variable	93·0	93·6	3rd "	70·1	31st July & 1st Aug.	88·5	77·7	83·1	—	84·2
	Beerbhoom, West Burdwan	Raneegunge	29 298	29·605	+·072	SW	60 1	92·5	3rd "	75 9	31st July & 1st Aug.	87·9	78·0	83·0	—0·3	83·4
	Moorshedabad	Berhampore	29·569	29·635	+·012	Variable	87·6	91·6	3rd "	75·8	29th July	87·3	78·3	82·8	—1·0	83·3
	Nuddea	Krishnaghur	29·594	29 659	+·049	South-westerly.	125·5	92 3	3rd "	75·8	31st "	88·0	77 8	82·9	—0·2	83·3
	Jessore, Khoolna	Jessore	29·620	29·654	+·052	Variable	67·2	93·8	3rd "	76 4	29th "	88·5	78·6	83·6	+0·2	84·5
East Bengal.	Chittagong	Chittagong	29·627	29·717	+·051	SE	99	86·1	2nd & 3rd Aug.	75 0	1st—3rd Aug.	83·5	75·6	79·6	—1·4	80·6
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29·663	29 675	+·079	Calm	72·5	89·3	29th July & 3rd Aug.	75·9	31st July	86·0	77 6	81·8	+0·6	82·7
	Noakholly	Noakholly	29·651	29·695	—	SSE	90·6	86·7	29th July	75·0	31st "	84·4	77·0	80·7	—	81·4
	Furreedpore	Furreedpore	29·637	29·677	+·072	SE	101 7	87·0	3rd Aug.	76·4	30th & 31st July	85·8	77 8	81·8	—0·8	82·9
	Dacca	Dacca	29·640	29·582	+·036	SSE	117	89·6	3rd "	75·1	30th "	85 9	78 5	82·2	—0·9	83 6
	Commillah	Commillah	29·641	29·676	+·050	SE	79·6	89·4	3rd "	75·8	31st "	85·8	77·9	81·9	+0 3	82·8
	Mymensingh	Mymensingh	29·612	29 669	+·018	EsE	112 0	88 8	3rd "	77·0	28th—30th July	86 4	77·6	82·0	—0·7	82·9
North Bengal.	Bogra	Bogra	29·568	29·639	—	Easterly	86 3	91·8	3rd "	76·8	30th, 31st July	87 9	77·9	82·9	—	85·0
	Pubna	Serajgunge	29·603	29·649	+·044	SE	72·3	89·1	2nd & 3rd Aug	77·2	30th "	86 2	79·1	82·7	—0·4	83 2
	Rajshahye	Rampore Beauleah.	29·568	29·638	+·059	SE	?	89·8	3rd "	76·9	29th "	86 4	78·3	82·4	—0 9	84·0
	Maldah	Maldah	29·554	—	—	NE & SE	102·8	90·2	3rd "	77·5	1st Aug.	88·5	78 8	83 7	—	85·1
	Dinagepore	Dinagepore	29·525	29·645	+·057	SE	128	91·1	3rd "	77·1	30th July	88·8	78·8	83 8	—0·1	85 9
	Rungpore	Rungpore	29·537	29·661	+·040	ESE	109	91 8	30th & 31st July	77 2	31st "	90 2	78 3	84 3	+0·4	85·3
	Julpigoree, Cooch Behar	Julpigoree	29·373	29·660	+·052	E	83·5	90·0	30th, 31st July & 3rd Aug.	73·8	28th "	88·0	75·4	82·0	—1·0	84·2
	Darjeeling Hill Tracts	Darjeeling	22·036*	—	+·06[illegible]*	E	96	69·1	30th July	56 1	30th "	67·0	57 3	62·2	—0·9	63·2
North Behar.	Purneah, North Bhagulpore	Purneah	29·51	29·640	+·018	SE	44·2	90·2	28th July & 3rd Aug.	74·6	29th "	88·0	76·0	82·3	—2·7	85·1
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga	29·465	29·631	+0·56	ESE	143	90·4	31st July	79·3	28th "	88 8	80·3	84·6	+0 1	85·1
	Chumparun	Motihari	29·394	29·620	+·062	ESE	186·4	91·7	31st July & 3rd Aug	76·9	28th "	90·5	78 6	84·6	—0·1	86·1
	Sarun	Chupra	29·420	29·613	+·035	South-easterly.	119·5	89·5	3rd "	76·1	29th "	86 4	78 2	82·3	—1·8	86·0
South Behar.	Shahabad	Dehree	29·247	29·600	+·024	SSW	169 8	91·3	3rd "	77 0	29th, 30th July	88·8	78 6	83·7	+1·8	84·2
		Buxar	29·365	29·606	+·037	Variable	128·0	90·9	3rd "	76 7	29th "	87·1	78 6	82·9	—0·3	84·0
		Arrah	29 414	29·611	+·050	Variable	61·6	92 4	3rd "	76·6	29th "	89·4	77 7	83·6	—0·5	84·2
	Gya	Gya	29 222	29 598	+·011	Calm	44 1	91·4	3rd "	75·8	29th, 30th July	88 8	77·9	83·2	—0·8	85·0
	Patna	Bankipore	29·147	29·620	+·040	S	91·4	90·9	3rd "	77·2	28th "	88·7	78·8	83·3	—1·1	85·0
	South Bhagulpore, Monghyr	Bhagulpore	29·461	29·622	+·069	SE	60·9	91·4	28th July	77·0	29th July & 1st Aug.	88·3	78·6	83·5	—0·4	84·8
	Sonthal Pergunnahs	Doomka	29·119	....	......	Southerly	122·8	90·6	3rd Aug.	75·8	31st July	87·7	77·8	82·6	......	8[illegible]
Chota Nagpore.	Hazaribagh	Hazaribagh	27·641	29·658	+·051	Westerly	166·7	86·5	3rd Aug.	72·6	29th July, 1st, 2nd Aug.	83·5	73 2	78·4	+0 1	7[illegible]
	Lohardugga, Manbhoom	Ranchee	27·520	29·625	+·050	South-Westerly.	150·9	85·0	3rd "	70·9	1st, 2nd "	83·5	72·4	78 0	+0·8	79·[illegible]
	Singhbhoom	Chyebassa	28·836	—	—	SW	39·4	91·4	3rd "	74·2	1st "	88·7	76·7	82·7	—	84·[illegible]
Assam.	......	Sibsagar	29·361	29·603	+·036	SW	79	96·6	30th July	77·0	30th July	92·7	78·4	85·6	+1·0	84·[illegible]
	......	Dhubri	29·553	29·670	+·036	Variable	80·7	89·2	1st & 2nd Aug.	78·3	28th "	86·9	78 5	82·7	—0·7	82·[illegible]
	......	Silchar	29·593	29·698	+·016	Calm	69	93·5	31st July	75·2	30th "	89·7	76 9	83·3	—0·0	[illegible]

Explanation.—*Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten [illegible]
The *humidity* of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The nu[illegible] are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the [illegible] stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Means for six days.

for the week ending Friday, the 3rd of August 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of July. Mean for district.	Since 1st of July. Normal mean.	Since 1st of July. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
92	3·6	—		2·81		13·05			23·86			4·2	Pooree		Orissa.
78	4·3		—	—	—	—	—	—	—	—	—	—	Gopalpore ..	Pooree	
80	8·4		—	—	—	—	—	—	—	—	—	—	False Point ...		
71	7·3	0·29		2·77		13·94			25·69			4·5	Cuttack ..	Cuttack	
85	7·9	3·89	3·00	3·73		14·83			25·88			4·7	Balasore ..	Balasore	
85	8·4	4·37	4·00	3·84	10·77	16·72	−5·95	14·84	28·78	−13·94	3·0	5·0	Saugor Island .	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
80	4·7	8·40	5·08	4·08	17·50	14 75	+2·75	24·95	26·23	−1·28	4·0	5 3	Midnapore ..	Midnapore	
88	8·6	3·33	5·35	3·52	16·06	13·95	+2·71	26·51	26 49	+0·02	4·2	5·2	Calcutta ...	24-Pergunnahs... ...; Howrah ... ...; Hooghly	
84	7·7	2·36	4·26	3·20	16·67	11·78	+4·89	25 20	23·30	+1·99	4·0	4·9	Burdwan ...	Burdwan	
83	6 7	2·80	3·37	4·90	16·52	15·22	+1·30	25·79	26 99	−1·20	4·5	5 2	Baukoora ..	Baukoora	
82	7·4	5 18	5·58	4·27	16 62	14·69	+1·93	25·15	26·60	−1·45	4 8	5 0	Raneegunge ...	Beerbhoom ... ...; West Burdwan ...	
88	8·7	3·31	2·96	3·40	14·37	12 45	+1·92	21·98	24 87	−2·89	4·8	4 7	Berhampore ..	Moorshedabad	
85	8·0	7·03	5·24	2·76	18·27	11·23	+7·04	24·18	24·46	+0 02	4·6	4·3	Krishnaghur ...	Nuddea	
87	9·3	6·90	5·20	3·48	16·04	12·52	+3·52	23·78	28·23	−4·45	5·1	4·9	Jessore ...	Jessore ... ...; Khoolna	
89	6·9	3·94	7·70	8·05	47·81	33·77	+14·04	68·26	68·69	−0·44	5·5	5·9	Chittagong ...	Chittagong	East Bengal.
				4 56		19·06			43 30			6·0	Demagiri ...	Chittagong Hill Tracts	
88	9·0	0·77	9·21	4·71	24·02	19·74	+4·28	32·60	42·84	−9·24	5·8	5·6	Barrisal ..	Backergunge	
89	8·0	10·03	8·88	6·15	35·27	25·58	+9·69	49·54	57·66	−8·12	6·5	6 0	Noakholly .	Noakholly	
86	6·0	6·65	4·64	4·15	16·00	13·29	+2·71	26·52	30·18	−3·66	5·3	5·0	Furreedpore ...	Furreedpore	
86	8·9	6·67	4·83	4·47	19·34	16·08	+3 66	33·47	32 62	+0·85	5·0	5·5	Dacca ..	Dacca	
85	5·3	2·64	2 59	4·19	12·38	15·55	+3·17	31·00	36·43	−5·43	4 0	5 0	Commillah ...	Commillah	
86	8·1	2·18	3·35	3·52	13·18	13·89	−0·71	40 00	35·48	+4·52	5·8	4·8	Mymensingh ...	Mymensingh	
82	8·9	1·64	1·62	3·15	10·24	13·71	−3·47	25·29	30 93	−5 64	4·0	4 5	Bogra ...	Bogra	North Bengal.
87	7·4	2 02	2·16	3·20	12·86	11·48	+1·38	25·28	26·46	−1·18	5·5	4 2	Serajgunge ..	Pubna	
85	5·7	1·73	3·27	3·15	13·97	13 16	+0·81	20·68	26 48	−5 80	5·0	4 0	Rampore Beauleah	Rajshahye	
86	6·4	3·73	3·36	5·68	13·63	13·47	+0·16	17·55	28 15	−10·69	5 0	4·8	Maldah ..	Maldah	
81	7·7	5·26	3·33	2·66	14·61	13·29	+1·32	27·38	31·50	−4·12	4·8	4·4	Dinagepore ...	Dinagepore	
79	3·6	0·34	0·82	2·87	10·31	14·96	−4·65	36·65	43 66	−7·01	3·8	4·0	Rungpore ...	Rungpore	
85	2·0	2·55	4·57	3·26	25·62	21·26	+4·36	62·74	61 02	+1·72	3 0	5·5	Julpigoree ...	Julpigoree ... ..; Cooch Behar	
94	8·6	4·14	4·31	5·90	37 52	33·50	+4·02	62·93	69 35	−6 42	5·8	5·7	Darjeeling ...	Darjeeling Hill Tracts	
83	4·7	2·32	2·64	2·89	18·89	14·84	+4·05	29·87	20 48	+0·39	3·4	3·6	Purneah ...	Purneah ... ...; North Bhagulpore ...	North Behar.
			1·40	2 60	17·67	12·45	+5·22	24·75	21·29	+3·46	4·0	3·4	Mozufferpore ...	Mozufferpore	
81	6·7	2·16	1·70	2·66	15·04	12·52	+2·52	23·85	22 02	+1·83	4·3	3·5	Durbhunga ...	Durbhunga	
77	8·0	2·76	3·09	2·13	15·68	12 57	+3·11	25 37	22·09	+3·29	3 0	3·0	Motihari ...	Chumparun	
80	5·4	1·12	2·07	2·83	13·01	13·25	−0 24	17·09	20 85	−3 76	4·3	3 4	Chupra ...	Sarun	
83	4·9	1·73											Dehree ...		South Behar.
82	7·0	1·12	2·10	3·52	15·27	12·91	+2·36	17·25	18 80	−1·55	4·4	4 2	Buxar ...	Shahabad	
83	7·1	4·04											Arrah ...		
76	6 9	2·23	3·76	4·17	15·52	13·78	+1·74	18·34	20 80	−2·46		4·0	Gya ...	Gya	
82	9·0	1·36	3·20	3·42	19·88	13·21	+6·67	23·34	20 88	+2·46	4·6	4 0	Bankipore ...	Patna	
83	4·4	6·71	4·33	3 71	19·12	12·90	+6·22	23·33	21·48	+1 85	4·8	4 1	Bhagulpore ...	South Bhagulpore ...; Monghyr	
81	6·3	5·50	3·76	3·82	16·94	14 09	+2·85	23·39	25·47	−2 08	5·2	5·0	Doomka ...	Southal Pergunnahs...	Chota Nagpore.
81	9·0	3·36	4·40	3·97	20·89	15·34	+5·55	28·82	25·25	−1·43	4·6	5·2	Hazaribagh ...	Hazaribagh	
81	8·3	3·19	3·88	4·47	10·94	15·03	+4·91	24·09	24·85	−0·76	4·7	5 1	Ranchi ...	Lohardugga	
			4·05	4·10	16·68	14·00	+2·68	21·07	23·83	−2·76	4·5	5·0		Manbhoom	
76	7·9	2·05	1·78	4·25	12·41	16·45	−4·04	17·52	27·34	−9·82	3 0	5·4	Chyebassa ...	Singhbhoom	
88	8·3	3·36											Sibsagar	......	Assam.
84	5·9	2·47											Dhubri	......	
81	8·9	3·71											Silchar	......	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of August 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 28th July.	Sunday, 29th July.	Monday, 30th July.	Tuesday, 31st July.	Wednesday, 1st August.	Thursday, 2nd August.	Friday, 3rd August.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of July.	Average total rainfall from 1st of July.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA	Pooree	Pooree	......	......	......	......	......	......	......	Nil	Nil	8·51	11·69	9·70	21·15
		Khurdah	......	......	......	0·25	0·01	0·05	......	3	0·31	7·70	14·32	12·68	25·93
		Banpur											12·74		31·11
		False Point	......	0·43	......	0·04	1·46	......	......	3	1·93	18·83	15·85	22·19	27·27
		Gop	......	......	0·48	1·26							?		?
		Pipli											?		?
	Cuttack	Jagatsingpore	......	......	......	0·7							12·05		20·71
		Banki	......	......	0·09	0·11							13·21		25·67
		Cuttack	....	....	0·08	0·20	0·17						14·70		20·03
		Kendrapara	......	0·22	0·04	0·02	0·25	......	......	4	0·53	7·00	13·98	12·87	24·84
		Jajpore	......	......	1·24	3·58	3·84	......	......	3	8·66	15·69	15·74	21·09	28·15
		Dharmsala	......	1·60	......	3·00							?		?
		Salipore	0·54	0·20									?		?
	Balasore	Chandbali											14·12		24·28
		Bhuddruck	......	......	......	1·01	1·17						13·60		25·65
		Sorah	......	......	0·39	0·93	1·10	......	......	3	2·78	10·60	13·78	19·01	23·72
		Balasore	0·04	0·42	0·36	1·76	0·96						15·75		27·08
		Jellasore	0·82	0·50	0·50	0·44	......	......	1·30	5	3·56	15·59	16·57	26·74	27·26
		Baripodah	0·80	0·99	0·16	0·65	......	0·25	1·24	6	4·09	15·65	14·98	25·48	27·16
SOUTH-WEST BENGAL.	Midnapore	Contai	......	......	1·52	1·61	1·29	......	......	3	4·42	12·24	16·67	16·95	28·27
		Saugor Island	......	......	1·71	2·40	0·26	......	......	3	1·37	9·78	17·52	13·83	30·02
		Tumlook	......	......	1·00	1·80	0·20	......	......	3	3·00	17·10	13·63	23·80	25·31
		Midnapore	......	1·80	0·80	5·52	0·25	0·18	......	5	8·55	22·77	14·46	20·80	25·18
		Ghattal	......	0·16	0·39	3·05	0·08	......	......	4	3·68	12·60	16·17	21·20	28·20
		Kukrahaty	......	0·30	1·13	2·25	0·37	......	......	4	4·14	16·83	?	23·26	?
		Hurria	......	......	2·16	1·92	0·93	......	0·09	4	5·10	15·94	?	22·30	?
		Bhagwanpore	......	......	1·55	1·11	......	...	......	2	2·66	10·75	?	18·25	?
		Garbeta	......	2·37	0·18	1·08	0·45	......	......	4	4·08	20·89	?	27·86	?
	24-Pergunnahs	Diamond Harbour	......	......	0·50	2·28	0·71	......	......	3	3·49	10·31	15·95	13·78	28·04
		Canning Town	......	0·08	0·21	2·36	1·11	......	......	4	3·76	15·57	?	21·47	?
		Alipore Jail	......	0·11	1·65	1·69	0·09	......	......	4	3·54	12·22	14·98	19·03	27·73
		Barrackpore	......	0·65	1·79	4·00	......	......	......	3	6·44	18·44	13·66	28·39	26·44
		Dum-Dum	......	0·31	1·24	6·05	......	......	0·26	4	7·86	17·45	13·21	26·01	25·99
		Baraset	......	0·28	2·22	2·05	......	0·24	1·79	5	6·58	19·53	12·34	31·60	24·73
		Buseerhat	......	0·29	1·85	1·95	0·23	......	......	4	4·32	17·07	13·05	27·17	28·30
	Howrah	Howrah	......	0·24	1·46	1·65	0·08	......	......	4	3·43	12·95	13·87	22·38	26·31
		Mohesreka (*Ooloberiah.*)	......	0·44	0·33	2·68	0·13	......	......	4	3·63	12·74	15·28	19·57	26·91
	Hooghly	Serampore	......	0·38	2·03	4·91	0·05	......	0·03	5	7·40	20·01	14·25	29·46	26·12
		Hooghly	......	0·30	1·48	1·62	0·01	......	......	4	3·41	16·35	13·47	31·17	25·32
		Johanabad	0·03	0·05	0·51	6·20	0·05	......	......	5	6·84	19·79	14·64	30·25	26·74
	Burdwan	Culna	......	0·35	4·35	0·83	0·22	......	......	4	5·75	20·00	11·59	28·92	22·26
		Burdwan	......	0·30	0·40	1·62	0·04	......	......	4	2·36	14·17	12·33	20·76	23·46
		Cutwa	0·04	2·97	1·52	0·14	......	......	......	4	4·67	15·24	11·44	26·30	24·17
		Raneegunge	......	1·43	0·11	2·98	0·75	0·01	......	5	5·28	20·97	15·11	31·27	25·01
		Bankur	0·22	0·65	0·25	0·74	......	......	0·31	5	2·17	19·04	?	22·76	?
	Bankoora	Bankoora	......	0·40	1·68	0·51	0·21	0·03	......	5	2·83	13·78	14·60	24·73	26·23
		Bishenpore	......	0·14	0·15	2·03	0·27	......	......	4	2·59	15·34	14·73	21·60	27·03
		Maliara	......	1·35	0·25	2·38	0·29	0·19	......	5	4·46	17·99	16·64	27·56	27·22
		Khatra	......	0·32	1·13	1·23	0·92	......	......	4	3·60	17·99	14·92	26·28	27·39
		Indas	......	0·24	0·35	3·50	0·50	......	......	5	4·85	15·02	?	22·88	?
		Kotalpore	......	0·34	0·24	5·93	0·72	......	0·26	4	7·23	15·70	?	23·12	?
		Anda	......	......	......	1·20	......	......	......	1	1·20	12·76	?	16·88	?
		Gangajalghati	......	1·85	0·26	4·77	......	......	0·75	4	7·63	21·39	?	30·80	?
		Raipore	......	1·55	0·25	1·35	0·27	0·09	......	5	3·51	16·22	?	24·56	?
		Sonamukhi	0·08	0·15	0·13	1·36	0·06	......	......	5	1·78	17·24	?	25·07	?
	Beerbhoom	Bh. Soory	0·57	3·20	1·39	2·65	0·63	......	......	5	8·14	16·23	14·80	23·85	27·45
		Hetampore	0·45	0·89	0·75	1·09	......	......	......	4	3·18	12·88	16·27	19·49	29·30
		Rampore Haut	0·50	2·61	0·85	0·83	0·64	......	......	5	5·43	16·31	12·58	25·89	24·60
		Hatpore	2·31	2·65	1·11	1·61	....	......	......	4	7·68	21·64	?	29·16	?
		Murarai											?	?	?
	Nuddea	Ranaghat	0·36	2·10	6·00	1·13	0·04	......	......	5	9·63	23·81	11·71	30·12	24·18
		Kishnaghur	......	0·61	4·48	2·00	0·24	......	......	4	7·33	21·25	11·01	29·67	22·53
		Choondanga	0·25	0·95	1·00	0·79	......	......	......	4			11·04		24·83
		Meherpore	0·06	1·20	1·21	1·01	0·70	......	......	5	4·18	16·15	10·53	23·72	23·52
		Kooshtea	0·39	0·29	0·29	0·60	0·49	......	......	5	2·06	14·24	11·86	16·77	27·22
	Khoolna	Satkhira	......	0·80	0·41	2·10	0·25	......	0·02	5	3·58	14·79	13·86	20·05	29·38
		Bagirhat	0·37	1·50	1·28	1·63	0·28	......	......	5	5·06	17·16	16·47	24·86	33·98
		Khoolna	0·98	3·30	2·17	1·12	0·19	0·17	......	6	7·93	22·46	12·81	28·60	28·58
	Jessore	Narail	0·57	......	2·26	0·27	......	......	......	3	3·10	9·68	10·68	15·14	24·81
		Jessore	1·92	2·59	1·09	0·97	0·20	......	......	5	6·77	19·77	13·02	31·41	29·24
		Jhenidah	......	0·42	0·49	0·53	0·47	0·11	1·23	6	3·25	12·33	11·05	20·84	27·34
		Magoorah	0·08	0·08	1·17	0·17	0·47	0·13	......	6	2·08	9·98	11·30	22·05	27·20
		Bongong	0·65	3·00	4·75	1·00	0·45	......	......	5	9·85	22·17	11·92	27·48	25·37
	Moorshedabad	Kandi	0·55	0·52	1·48	3·15	0·20	......	......	5	5·90	20·88	13·56	29·76	25·67
		Berhampore	0·04	0·87	1·64	0·68	0·08	......	......	5	3·31	11·97	12·08	18·29	24·46
		Lalbagh	0·76	0·66	1·63	0·19	0·17	......	......	5	3·41	15·00	11·28	21·69	23·74
		Azimgunge	0·02	......	1·00	0·40	0·23	......	......	4	1·65	16·63	11·77	24·84	24·61
		Jungipore	0·22	0·17	1·16	0·20	0·01	0·64	......	6	1·80	10·60	12·74	17·85	24·47
		Lalgola	......	0·66	0·20	0·25	0·60	......	......	4	1·71	11·71	13·82	19·76	26·19
		Akhriganj	0·08	0·04	0·41	1·20	0·29	......	......	5	2·02	16·65	?	25·14	?
		Patkabari	2·00	0·15	0·90	0·40	0·15	......	0·25	6	3·85	16·56	?	20·10	?
EAST BENGAL	Chittagong	Cox's Bazar	1·95	5·93	2·13	......	2·00	0·59	1·11	5	13·73	64·95	42·73	86·70	82·58
		Chittagong	0·24	0·27	0·41	0·13	0·20	0·60					24·81		54·80
		Kutubdia	0·16	2·00	1·24								?		?
		Satkanya	0·98	1·40	0·94	0·20	0·24	0·02					?		?
	Chittagong Hill Tracts.	Rangamati	0·59	0·36	0·25	0·71	0·14	......	0·20	6	2·25	14·08	21·76	28·39	45·18
		Ruma	0·12	......	0·15								16·34		41·38
	Backergunge	Patuakhally	1·55	2·13	2·50	3·50	......	0·45	0·25	6	9·88	32·96	23·71	41·14	50·53
		Perozepore	0·02	3·23	1·28	2·77	0·83	1·98	......	6	10·11	23·02	17·96	33·42	37·83
		Burrisal	0·54	2·57	0·88	2·75	0·17	0·23	......	6	7·14	21·99	17·33	29·73	38·00
		Bhola	0·75	1·78	3·54	2·08	2·06	......	......	5	10·21	18·80	19·95	26·11	41·97

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of August 1888—*contd.*

Meteorological Division.	District.	Station.	Rainfall.							Total.		Total rainfall since 1st of July.	Average total rainfall from 1st of July.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 28th July.	Sunday, 29th July.	Monday, 30th July.	Tuesday, 31st July.	Wednesday, 1st August.	Thursday, 2nd August.	Friday, 3rd August.	Number of rainy days.	Rainfall of week.				
EAST BENGAL—*concld.*		*Gournaddi* ...	......	......	2·05	2·43	0·19	......	......	3	4·66	19·03	?	29·52	?
		Bauphal ...	1·21	5·25	3·81	3·25	0·68	0·57	......	6	14·77	35·06	?	43·61	?
	Noakholly	Noakholly ...	0·45	4·28	1·26	3·70	0·34	0·03	......	6	10·16	34·46	26·83	49·25	57·58
		Fenny ...	3·80	1·70	1·50	0·10	0·30	0·11	0·19	7	7·70	36·07	24·31	49·81	57·09
		Harishpore ...		4·02	2·09	2·12							?		?
		Ramganj ...	0·31	1·28	2·08	1·96	0·64						?		?
	Furreedpore	Madaripore ...	0·71	0·76	3·40	0·05	0·11	......	......	5	5·63	16·83	13·43	26·34	31·02
		Furreedpore ...	1·87	0·30	1·32	0·13	0·20	1·40	......	6	5·22	18·58	13·42	29·08	30·96
		Goalundo	......	1·70	0·90	0·10	0·20	0·18	......	5	3·08	12·61	13·03	24·15	28·59
	Dacca ...	Munshigunge	0·21	......	3·32	2·20	0·60	......	......	4	6·33	22·88	17·28	34·41	37·63
		Dacca ...	1·18	......	3·19	1·67	0·61	......	......	5	6·65	16·75	15·04	28·09	32·61
		Naraingunge	0·02	......	1·36	2·44	0·30						17·18		33·12
		Manickgunge	0·03	0·81	1·25	0·06	0·04	0·03	......	6	2·22	14·50	13·19	25·70	26·97
		Joydebpore ..	0·42	0·09	3·50	3·06	0·10	......	......	5	7·17	18·38	?	38·11	?
	Hill Tipperah	Agartola ...	2·15	0·47	......	......	......	......	......	2	2·62	8·09	13·32	32·13	33·08
	Tipperah	Comilla ...	0·07	0·90	0·12	0·11	0·19	0·14	......	6	1·53	14·14	19·28	26·74	43·45
		Chandpore ..	1·50	0·20	0·90	2·20	0·36	0·16	......	6	5·32	20·50	17·30	31·65	38·98
		Brahmunberia	......	0·71	0·19	......	......	......	......	2	0·90	6·80	12·22	34·39	31·80
		Ramchandrapore.	0·91	......	1·55	0·50	0·20	......	......	4	3·16	17·31	?	33·79	?
		Nasirnagar ...	......	3·10	......	0·50	......	......	......	2	3·60	7·20	?	28·93	?
		Daudkandi ...	0·78	0·01	3·73	1·37	0·47						?		?
		Kasba ...	......	0·36	......	......	......	......	......	1	0·36	6·90	?	30·11	?
		Laksham ...	......	1·81	0·82	0·92	0·11	......	......	4	3·66	24·27	?	35·69	?
	Mymensingh	Kishoregunge	0·66	0·86	0·77	0·54	2·28	0·12	......	6	5·03	12·60	14·30	52·49	38·46
		Atia (*Tangail*)	0·08	0·35	1·79	0·12	......	......	......	4	2·34	9·27	12·15	19·62	28·93
		Mymensingh	0·82	0·06	0·17	0·04	0·66	0·14	0·03	7	1·92	10·34	15·62	38·02	40·56
		Jamalpore ..	1·48	0·09	0·77	0·07	0·43	0·23	......	6	3·06	13·47	13·77	37·74	33·01
		Netrokona ...	1·06	1·44	......	0·06	0·87	0·05	0·02	6	4·40	20·20	13·43	52·14	30·41
		Subornakhally	0·09	0·48	1·33	0·05	......	......	......	4	1·95	11·98	?	33·94	?
		Durgapore ..	2·10	1·50	......	......	1·10						?		?
		Dewanganj ...	0·10	0·62	0·09	0·03	0·39	......	......	5	1·23	12·83	?	33·90	?
NORTH BENGAL.	Pubna ..	Pubna ...	0·44	1·41	0·15	0·38	0·16	......	......	5	2·14	14·89	11·11	23·57	25·67
		Serajgunge ...	0·91	0·73	0·30	0·04	0·17	0·03	......	6	2·18	10·82	11·83	26·97	27·19
	Bogra ..	Sherpore ...	1·21	0·12	0·05	0·49	0·47	......	......	5	2·34	9·68	13·94	19·98	30·91
		Nowkhila ...	......	1·25	0·35	0·20	0·15	......	......	4	1·95	12·84	12·43	32·08	29·09
		Bogra ...	0·12	0·52	0·05	0·16	0·84	......	......	5	1·69	8·74	14·65	23·53	33·79
		Panchbibi .	0·02	0·10	......	......	......	......	0·50	3	0·62	9·84	13·78	25·62	29·87
	Rajshahye .	Beauleah ..	0·08	0·09	0·94	0·30	0·39	......	......	5	1·78	8·08	13·07	12·17	25·84
		Nattore ...	0·85	0·60	1·30	0·60	1·42	......	......	5	4·77	19·87	13·23	29·18	27·07
		Naogaon ..	......	1·65	0·25	......	0·32	......	......	3	2·22	11·77	?	19·56	?
		Lalpore ...	1·00	1·06	1·24	0·32	1·40	......	......	5	5·02	13·50	?	19·92	?
		Manda ..	3·00	0·98	0·10	0·32	0·31	......	0·28	6	4·99	10·64	?	15·57	?
	Maldah ...	Maldah ..	0·07	1·13	0·05	0·27	1·13	1·08	......	6	3·73	16·93	12·63	19·55	26·31
		Chanchal ...	0·84	0·85	......	0·08	1·22	......	......	4	2·99	10·33	14·31	15·53	29·09
		Gajol ...	0·12	1·00	......	......	0·60	......	......	3	1·72	11·44	?	16·53	?
		Sibganj ...	3·77	0·39	0·10	0·16	0·50	0·37	......	6	5·29	20·23	?	26·04	?
	Dinagepore ...	Mohadebpore	2·58	0·70	0·08	0·15	......	......	......	4	3·51	13·16	12·54	20·34	20·77
		Churamon ..	0·20	1·55	0·04	0·03	0·22	......	0·79	6	2·83	12·93	12·68	19·60	28·80
		Raigunge ..	0·82	0·54	......	......	0·41	......	......	3	1·77	13·31	12·86	30·99	32·00
		Dinagepore .	3·22	1·96	0·06	0·50	0·15	......	0·25	6	6·14	18·80	14·38	41·38	35·88
		Baloorghat	0·83	0·33	......	0·22	0·26	......	0·75	5	2·39	9·83	14·01	24·57	31·04
		Thakoorgaon	......	1·30	......	......	......	......	......	1	1·30	16·61	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	......	0·19	0·04	0·10	0·07	0·38	0·79	6	1·57	7·59	13·13	28·36	34·55
		Rungpore ...	......	0·13	......	0·03	0·07	......	0·37	4	0·60	8·31	17·72	30·21	44·20
		Kurigram ...	......	......	......	......	......	......	......	Nil	Nil	11·95	14·24	49·80	46·14
		Bagdogra (*Nilphamari*).	0·13	0·45	......	0·03	0·15	......	0·35	5	1·11	13·37	14·73	38·10	49·74
		Ulipore ...	0·15	......	......	......	......	......	1·04	2	1·19	6·30	?	32·46	?
	Julpigoree ...	Julpigoree ...	0·48	0·73	......	......	......	1·24	0·48	4	2·93	37·47	28·14	70·42	64·20
		Alipore Doar	1·85	0·22	......	......	......	0·45	......	3	2·52	18·66	?	55·94	?
		Fallacotta ...	0·71	0·27	......	......	......	......	0·23	3	1·21	20·67	?	60·45	?
		Debiganj ...	0·12	0·41	......	......	0·04	0·14	0·81	5	1·52	15·80	?	48·25	?
	Cooch Behar...	Dinhatta ...	0·19	......	......	......	......	......	6·37	2	6·56	20·04	13·61	63·94	51·31
		Cooch Behar...	1·90	0·12	......	......	......	......	3·75	2	5·77	25·65	23·83	67·93	69·55
		Mekligunge...	1·42	0·53	......	......	0·06	......	0·75	4	2·76	22·99	19·76	57·21	55·58
		Matabhanga...	2·23	0·22	......	......	......	......	2·38	3	4·83	21·94	20·01	54·25	63·12
	Darjeeling Hill.	Buxa ..	0·45	......	0·11	1·52	3·36	1·57	0·04	6	7·05	47·89	50·93	99·07	109·83
		Siliguri ...	1·08	0·17	......	......	0·06	......	0·35	4	2·26	28·28	26·88	56·73	65·54
		Darjeeling ...	0·98	0·71	0·27	0·51	0·77	0·09	0·05	7	3·38	40·33	31·25	52·40	59·76
		Kalimpong ...	1·27	1·08	0·14	1·09	0·94	......	0·03	6	4·55	33·58	24·83	43·42	47·15
NORTH BEHAR	Purneah ..	Kissengunge...	0·73	0·15	......	0·32	......	......	......	3	1·20	17·47	17·68	33·24	37·17
		Arrareah ...	2·29	0·16	......	......	......	0·37	......	3	2·82	19·86	16·86	33·80	33·09
		Purneah ...	1·17	0·96	0·04	......	0·16	0·04	......	5	2·36	18·35	14·94	24·24	29·48
		Gondwara ...											?		?
		Balarampore	0·40	......	0·70	0·30	......	......	......	3	1·40	18·08	?	?	?
		Manari ...	0·26					0·10					?		?
		Kaliaganj ...	0·57	0·65	......	......	......	......	0·10	2	1·12	21·72	?	41·23	?
	North Bhagulpore.	Maddapore ...	3·25	0·60	......	0·32							12·57		23·74
		Soopool ..	2·04	......	......	0·10	0·52	......	......	3	2·66	17·42	13·11	25·65	23·81
		Protabganj ...	......	0·12	......	......	0·15	......	......	2	0·27	14·43	?	22·90	?
	Durbhunga ...	Tajpore ...	1·29	......	......	......	0·80	......	0·08	3	2·26	15·32	13·24	21·69	21·98
		Durbhunga ...	1·49	0·20	0·07	......	0·03	0·10	......	5	1·89	14·48	12·72	24·26	22·04
		Madhubani ...	0·45	0·02	......	0·11	0·36	0·01	......	5	0·95	15·31	11·61	25·01	21·93
		Bahera ...	0·90	0·10	......	0·12	0·05	......	0·65	5	1·82	18·79	?	28·57	?
		Roshera ...	3·25	0·05	......	......	0·64	......	......	3	3·94	15·93	?	20·26	?
	Mozufferpore	Sitamarhi ...	......	......	......	......	0·05	0·08	......	2	0·13	15·78	11·26	23·51	20·80
		Mozufferpore	1·45	0·32	......	......	0·22	0·55	0·15	5	2·69	19·03	12·92	28·17	21·90
		Hajipore ...	0·40	0·32	0·31	0·10	0·24	......	......	5	1·37	18·17	13·17	22·55	21·[illegible]
		Puru ...	0·28	0·02	......	0·10	0·50	......	......	4	1·50	13·94	?	19·80	?
		Mahua ...	0·55	0·40	0·16	......	0·40	......	......	4	1·51	14·40	?	17·20	?
		Seuhar ...	0·85	0·05									?		?
		Pupri ...													
	Chumparun ...	Motihari ...	2·47	0·47	......	......	......	......	......	2	2·94	12·30	11·37	21·98	20·67
		Bettiah ...	2·08	0·27	......	......	......	0·34	0·55	4	3·24	19·05	13·71	28·75	23·44
		Bagaha ...	0·21	0·56	0·22	......	......	0·07	......	4	1·06	16·67	?	31·59	?
		Burhurwa ...	1·12	2·73	......	0·05	0·32	0·04	......	5	4·26	15·73	?	23·95	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of August 1888—*concld.*

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 28th July.	Sunday, 29th July.	Monday, 30th July.	Tuesday, 31st July.	Wednesday, 1st August.	Thursday, 2nd August.	Friday, 3rd August.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of July.	Average total rainfall from 1st of July.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge ...	1·36	1·07	......	......	0·34	0·24	......	4	3·01	12·37	13·68	17·96	21·43
		Sewan ...	0·11	1·20	0·54	......	0·20	0·23	......	5	2·27	12·08	12·06	15·62	20·65
		Chuprah ...	0·67	0·10	0·02	......	0·14	......	......	4	0·93	14·57	13·41	17·72	20·41
SOUTH BEHAR	Shahabad	Buxar ...	0·38	0·08	0·73	......	0·12	0·01	......	5	1·32	12·24	12·11	15·63	17·71
		Dehree ...	......	0·30	0·33	0·27	0·33	0·45	......	5	1·70	10·70	12·53	19·07	17·04
		Bhuboosah ...	......	......	2·30	......	0·40	0·35	......	3	3·05	14·12	14·28	15·99	20·14
		Sasseram ...	......	0·49	0·25	0·29	......	0·23	......	4	1·26	14·41	13·08	15·36	18·92
		Arrah ...	0·40	0·75	1·05	......	0·30	0·65	......	5	3·15	15·83	12·56	20·17	19·08
		Mohania ...	......	......	......	......	0·25	......	......	1	0·25	8·48	?	11·68	?
	Gya ..	Aurungabad...	......	......	3·65	......	0·23	0·22	......	3	4·10	22·49	13·90	25·62	21·02
		Gya ...	0·02	0·75	......	......	0·95	0·10	......	4	1·82	11·14	14·33	14·43	21·90
		Nowadah ...	0·64	3·69	0·27	......	0·25	......	......	4	4·85	15·34	13·12	17·00	20·07
		Jehanabad ...	0·86	1·90	0·33	......	0·96	0·22	......	5	4·27	13·25	13·71	16·23	20·11
		Arwal ...	......	1·40	......	0·10	0·37	0·78	......	4	2·71	11·76	?	14·03	?
		Daudnagar ...	0·75	0·21	2·05	......	0·45	......	......	4	3·40	17·03	?	17·75	?
		Sherrghati ...	......	......	2·10	0·20	......	0·12	......	3	2·42		?		?
		Rajauli ...											?		?
		Pakri Barawan	......	2·35	......	......	0·38	......	......	2	2·73	12·13	?	13·43	?
	Patna ..	Patna ..	0·36	0·58	0·05	0·04	0·41	0·05	......	6	1·49	15·60	12·94	19·22	21·30
		Dinapore .	0·47	0·51	0·25	......	0·15	......	......	4	1·38	17·75	12·62	23·31	20·38
		Behar .	1·29	1·47	0·39	......	2·87	0·43	......	5	6·47	24·29	13·89	23·36	21·83
		Barrh ..	1·40	1·60	......	......	0·25	0·20	......	4	3·45	21·87	13·41	24·47	19·92
		Bickram ...	0·95	0·70	0·40	......	0·25	......	......	4	2·30	11·35	?	18·85	?
		Hilsa ...	0·50	0·80	......	......	1·45	0·43	......	4	3·18	15·50	?	18·70	?
	Monghyr	Begooserai ..	1·09	0·70	......	0·03	1·70	......	......	4	3·52	18·06	12·15	21·25	19·86
		Monghyr .	4·39	0·18	......	0·09	1·53	0·03	......	5	6·22	26·51	13·85	30·71	22·08
		Jamui ...	0·32	1·30	0·07	0·75	0·10	......	......	5	2·54	13·26	14·21	17·82	22·10
		Gogri ...	......	1·15	......	......	0·75	......	......	2	1·90	21·02	?	27·44	?
		Sheikpura ...	2·05	2·75	......	......	1·95	......	......	3	6·75	23·71		27·95	?
	South Bhagulpore	Bhagulpore ...	0·24	4·15	0·10	0·08	2·46	......	......	5	7·03	26·19	12·49	32·10	21·84
		Banka ...	......	0·63	0·15	0·08	1·38	......	0·10	5	2·34	11·56	11·80	14·64	21·49
		Kolgong ..	0·10	3·08	0·14	0·14	2·46	......	......	5	5·92	21·84		30·52	?
	Sonthal Pergunnahs	Rajmehal ...	0·17	0·65	0·27	0·57	0·45	......	0·18	6	2·29	13·40	13·92	18·07	27·28
		Godda ...	0·11	0·65	......	0·31	1·50	......	......	4	2·57	14·67	12·24	22·40	21·46
		Pakour ...	0·65	0·45	0·85	0·54	1·27	......	0·65	6	4·41	22·67	13·18	30·27	26·75
		Nya Doomka	......	1·52	0·17	1·82	1·98	0·01	......	5	5·50	14·38	14·91	19·61	26·03
		Deoghur .	......	0·92	0·15	0·28	1·13	0·04	0·09	6	2·61	18·21	15·23	23·62	25·60
		Jamtara .	......	2·64	0·96	0·67	0·93	......	......	4	5·20	18·27	15·03	26·30	25·00
		Mahagama ...	0·84	0·92	0·25	......	2·45	......	......	4	4·46	16·67	?	?	?
		Nanihat ...	0·12	......	0·39	0·09	1·61	......	......	4	2·21	9·82	?	15·70	?
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ...	1·75	0·64	0·45	0·37	0·33	......	0·76	6	4·30	17·32	13·90	22·57	23·74
		Hazaribagh ...	......	0·66	0·07	1·33	1·10	......	0·10	5	3·26	21·96	15·25	24·31	23·91
		Semtagurah ...	3·62	......	1·00	1·72	0·90	......	......	4	7·24	23·53	13·27	24·67	23·21
		Manudi Hills											14·26		23·15
		Jhoomrah Hills											19·95		32·22
		Barhi ...	......	2·05	0·30	......	0·74	......	......	3	3·09	22·67	?	24·40	?
		Chatra ...	......	0·12	0·50	0·33	3·00	......	0·18	5	4·13	20·41	?	29·15	?
		Karagdeha ...	......	......	1·03	......	0·80	......	......	2	1·83	14·77	?	18·31	?
		Ramghar ...	......	0·20	......	0·40	2·60	0·04	......	4	3·24	14·40	?	18·50	?
	Lohardugga ...	Lohardugga ...	0·17	......	0·59	1·66	1·87	0·04	0·19	6	4·52	17·99	15·05	21·94	26·76
		Ranchi ...	......	......	0·22	1·08	2·24	......	0·42	4	3·90	21·64	16·28	26·41	26·96
		Palamow .	0·05	......	1·00	1·07	1·03	......	......	4	3·15	20·16	13·75	23·87	20·84
		Sills ...	0·40	......	0·30	......	1·30						?		?
		Balumat ...											?		?
		Hossennabad...											?		?
		Garwah ...	......	1·83	......	0·43	1·00						?		?
	Singbhoom ..	Chyebassa ..	......	......	1·07	0·36	0·35	......	......	3	1·78	12·41	16·45	17·52	27·34
		Chakradharpore.	......	1·02	1·25	1·75	1·92	0·49	......	5	6·43	25·53	?	30·20	?
		Ghatsilla ...	......	0·48	2·04	1·54	0·24						?		?
		Baharagura..	......	......	0·58	0·66							?		?
	Manbhoom ...	Purulia ...	......	1·00	2·48	0·35	1·27	......	......	4	5·10	21·74	14·72	26·89	25·49
		Gobindpore ...	0·03	1·78	0·28	0·29	0·04	......	......	5	4·22	11·63	13·29	15·24	22·14
		Raghunathpore.	......	1·20	3·25	0·35	1·45	......	......	4	6·15	17·64	?	21·54	?
		Barrabhoom...	......	0·53	0·94	1·05	1·30	......	......	4	3·83	20·21	?	25·06	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 7th August* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 3RD OF AUGUST 1888.

The meteorological changes which have taken place during the past week have been of only slight importance. On the 28th, or the first day of the week, ordinary monsoon conditions obtained generally, and a steady moist wind current was blowing over the whole province, winds being south-easterly and easterly at the majority of stations. Moderate to heavy rain was also being received in all districts except Orissa and South-West Bengal. On the 29th an extremely feeble low-pressure area was developed over part of West and South-West Bengal, which was accompanied by a distinct circulation of winds, the centre of the circulation being apparently near Burdwan; the wind velocities in connection with this circulation were, however, very slight, though the circulation extended over the whole of the south-western districts of the province. Rainfall on this day was general over the whole province except in Orissa and in South Bengal, and in some cases very heavy falls were reported. On the 30th the feeble low-pressure area had almost disappeared, but on the 31st it was again most distinctly marked over West Bengal, the centre of the depression and of the accompanying cyclonic wind circulation being near Bankoora; on this day also the general pressure distribution of the whole province was governed by the existence of the feeble storm. On August 1st the depression had advanced in a north-westerly direction into Behar, and the centre of the wind circulation and of the barometric depression was near Gya. On the morning of 2nd of August the depression had either passed out of the province, or it had filled up and disappeared, and winds became nearly normal in character over Bengal, though over the Bay wind directions became much more strongly westerly than they had been, and it would appear that the monsoon current was being partially deflected towards the south of Burma, for on the 3rd extremely heavy rain was reported from Tavoy and Moulmein, which received falls of about six and eight inches respectively. During the existence and passage of the extremely feeble depression through the west of the province, conditions were favourable for rather heavy rainfall, particularly in the western and central districts; but with the disappearance of the disturbed conditions rainfall became smaller in amount, and on the last day of the week general rainfall was confined to East Bengal and Assam, where also the falls were only moderate in amount, while in the remaining districts light local showers only were reported. The general distribution of the rainfall for the week has therefore been that falls considerably in excess of the normal have been received in South-West and East Bengal, almost normal falls in North Bengal, Behar and Chutia Nagpur, while in Orissa the fall has been decidedly in defect of the normal.

Pressure.—The pressure during the week has been gradually increasing, though with the usual slight oscillations; and while the mean pressure for the previous week was below the normal, in the present week there has been an almost uniform excess pressure over Bengal, averaging about 0 05 inch. In Assam pressure has also been in excess of the normal, but by only 0·03 inch

Temperature.—The variations of temperature have been small, and in most districts the mean temperature for the week has been very nearly normal in all districts except Orissa, where the rainfall has been scanty. In Orissa an almost steady excess temperature has been registered which averages 2·2°, but in all other districts except North Behar, where a defect of 1·1° is registered, the variations do not exceed half a degree; in most cases the temperatures being in slight defect, while in Chutia Nagpur there has been an excess. For the whole province of Bengal for the week temperature may be said to have been almost normal, and the same is the case in Assam.

Rainfall—Has been heaviest in East Bengal, where an average amount of between five and six inches has been registered; in South-West Bengal and Chutia Nagpur the falls have averaged from four to five inches, and in South Behar an average fall of three and a half inches is registered In North Bengal and North Behar falls of from three to two inches are reported, but in Orissa the average fall is less than two inches. Compared with the normal for the period, the mean rainfall of the whole province may be said to have been about 95 per cent. of the usual amount. Of the meteorological districts South-West and East Bengal have received excess falls amounting to 28 and 17 per cent. respectively. In North Bengal, South Behar and Chutia Nagpur the falls have been in slight defect, but the defects in no case equal 10 per cent.; in North Behar the defect equals 19 per cent. of the normal, and in Chutia Nagpur the actual fall has only averaged 56 per cent. of the usual fall.

Taking up the distribution rather more in detail, it is found that in the following districts the falls have been particularly heavy:—in 24-Pergunnahs, Hooghly, Beerbhoom, Nuddea, Jessore, Backergunge, and Noakhally; while in the following districts the falls have been particularly defective:—in Singbhoom, Rungpore, Bogra, and Pooree.

In Assam the following falls have been reported during the week:—Silchar 3·71 inches, Sibsagar 3·36 inches, and Dhubri 2·47 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 3rd of August 1888 :—

Meteorological Divisions.	Temperature						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of July.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	97·9	74·8	89·8	80·2	85·0	+2·2	1·78	3·16	—1·38	2·6	4·1	—1·5	10·31	14·20	14·64	25·27
South-West Bengal ..	93·8	75·2	83·1	78·5	83·5	0	4·68	3·66	+1·02	4·5	4·4	+0·1	16·13	13·48	24·04	20·33
East Bengal	89·6	75·0	85·4	77·4	81·4	—0·5	5·45	4·70	+0·75	5·5	5·1	+0·4	20·45	18·07	35·v0	40·56
North Bengal	91·8	73·8	88·1	78·1	83·1	—0·4	2·80	3·07	—0·27	4·2	4·5	—0·3	15·20	15·14	34·30	38·45
North Behar	91·7	74·6	88·6	78·3	83·5	—1·1	2·18	2·68	—0·50	3·8	3·8	0	16·36	13·30	24·73	23·98
South Behar	92·1	75·8	88·1	78·2	83·3	—0·2	3·44	3·72	—0·28	4·0	4·2	+0·7	17·28	13·39	21·21	21·78
Chutia Nagpur	86·5*	70·9*	83·5*	72·8*	78·2*	+0·5*	4·03	4·16	—0·13	4·4	5·2	—0·8	18·64	15·11	22·23	25·
Assam	90·6	75·3	89·8	77·0	83·9	+0·1										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 7th August 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 29th July to 4th August 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
July	29th	150·9	0·4	29·541	82·9	87·3	8·6	78·7	79·8	0·975	78·5	87	WSW and SW by W	76	0·24	Cloudy, o, g, d, p.
,,	30th	98·0	Nil	·600	80·0	81·4	4·7	76·7	78·5	·955	77·8	93	WSW and SSE ...	72	1·58	Cloudy, o, g, d, p.
,,	31st	122·7	0·4	·615	79·9	81·8	6·6	75·2	78·1	·939	77·3	92	SSE and SW by S ...	118	1·42	Chiefly cloudy, o, g, d, p.
Aug.	1st	118·4	1·6	·639	81·1	83·4	5·7	77·7	79·0	·963	78·1	90	SSE and S by W ...	132	0·09	Chiefly cloudy, o, g, d, p, t.
,,	2nd	153·4	9·1	·609	84·7	91·3	13·6	77·7	81·0	1·013	79·6	85	SW and SSW ...	151	Nil	Chiefly cloudy, ⌓.
,,	3rd	156·5	8·5	·558	85·8	92·5	12·1	80·4	82·2	1·052	70·8	85	SSW, SW and S by W	114	......	Chiefly cloudy, o, g, t.
,,	4th	155·1	6·3	·523	86·1	91·7	10·4	81·3	82·5	1·063	81·1	86	SSW and variable ...	109	......	Chiefly cloudy, o, g, ⌓.

	Inches.
The mean pressure of the seven days	29·584
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·573
	Hours.
The total number of hours of bright sunshine	26·3
The maximum possible number of hours of sunshine	91·8
	°
The mean temperature of the seven days	82·9
The average temperature of the corresponding period for 24 years, S. G.'s Office	82·9
The extreme variation of temperature	17·3
The maximum temperature	92·5
	Miles.
The highest velocity of the wind in one hour	13
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	88
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	86
	Inches.
The total fall of rain from 30th July to 4th August 1888	3·33
The average fall of the corresponding period for 24 years, S. G.'s Office ...	3·70
The total fall from 1st January to 4th August 1888	28·17
The average fall of the corresponding period for 24 years, S. G.'s Office ...	36·76

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables, computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, d drizzling rain, t thunder, ⌓ dew.

J. Eliot,
Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 6th August 1888.

Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of July 1888.

		Date.
	°	
The mean temperature during the month	82·5	
The highest temperature during the month	95·5	16th.
The lowest temperature during the month	75·8	3rd.
The range of temperature during the month	19·7	
The mean daily range of temperature during the month ...	11·1	
The greatest range of temperature in one day during the month ...	16·2	3rd.
	%	
The mean humidity during the month	91	
	Inches.	
The mean vapour tension during the month	1·007	
The total rainfall of the month	14·05	
The greatest fall in 24 hours	2·04	20th.
	Days.	
The number of rainy days in the month	24	

J. Eliot,
Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, India;
The 6th August 1888.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 29th July to 4th August 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Hygrometry. Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
July	29th ..	82·1	88·0	9·2	78·8	80·4	1·016	79·7	92	0·33
"	30th ..	80·0	82·4	4·6	77·8	78·5	·956	77 9	93	1·48
"	31st ...	78·3	83 9	7·9	76·0	77 5	·934	77·2	96	1·78
August	1st ..	80·3	84·9	6·6	78·3	79·0	·975	78·5	94	0·08
"	2nd ...	84 6	94·0	15·4	78·6	80·3	·977	78·5	82	......
"	3rd ...	85·7	94·0	13·0	81·0	81·3	1·010	79·5	81	......
"	4th ...	85·8	93 8	12·0	81·8	82·4	1·062	81·1	85	......

	°
The mean temperature of the seven days	82·4
The extreme variation of temperature	18·0
The maximum temperature	94·0
	%
The mean relative humidity	89
	Inches.
The total fall of rain from 29th July to 4th August 1888	3·67

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Meteorological Office, India;
The 6th August 1888.

J. Eliot,
Offg. Meteorological Reporter to the Govt of India.

MEMORANDUM.

During the week ending 21st July 1888, the returns from the principal Municipalities in Bengal furnished the following results:—

1. That births were registered in the above Municipalities at the rate of 19·1 per 1,000 of population, as opposed to very nearly the same proportion, viz., 18·9 per 1,000 during the preceding week ending 14th July, and deaths at 21·2 per 1,000, against 21·9 per 1,000.

2. That these events were recorded in the highest proportions in the following Municipalities:—

Births.

	Ratio per mille.
Monghyr	50·6
Midnapore	32·5
Bhagulpore	31·7
Gya	31·4

Deaths.

	Ratio per mille.
Puri	69·2
Comillah	46·2
Serampore	37·3
Gya	36·9
Bhagulpore	29·0

3. That the mean rates at which the population of the Municipalities died from the principal diseases exhibit no marked variations in comparison with the mortality during the preceding week, *vide* figures quoted below:—

	Ratio per *mille* during the weeks ending— 21st July 1888.	14th July 1888.
Cholera	2·4	3·1
Small-pox	·1	·2
Fever	7·9	8·7
Bowel-complaints	2·5	2·4
Injury	·6	·5
Other causes	7·7	6·9

4. That of the diseases specified above, fever proved noticeably fatal in Comillah town, giving a rate of 27· per 1,000 of population, small-pox, bowel-complaints, and injury exhibited normal fatality, and cholera and maladies recorded under the head of "Other causes" caused the highest mortality in the following Municipalities:—

Cholera.

	Ratio per mille.
Puri	39·9
Chupra	6·8
Patna	2·9
Gya	2·7
Dacca	2·6

Other causes.

	Ratio per mille.
Puri	25·1
Serampore	19·6
Gya	18·4
Mozufferpore	12·2
Bhagulpore	11·8

5. That the death-rates under the heads of *Sex*, *Class* and *Age* stood as follows:—

According to Sex.

	Ratio per mille.
Males	20·4
Females	22·1
Ratio of male deaths to every 100 female deaths	104

According to Class.

	Ratio per mille.
Christians ...	21·7
Hindus ...	22·3
Mahomedans ...	18·6
Other classes ...	36·4

According to Age.

	Ratio per mille.
Under 1 year ...	193·8
1 and under 5 years ...	33·2
5 „ 10 „ ...	9·5
10 „ 15 „ ...	9·5
15 „ 20 „ ...	15·2
20 „ 30 „ ...	12·9
30 „ 40 „ ...	8·9
40 „ 50 „ ...	14·6
50 „ 60 „ ...	31·1
60 years and upwards ...	47·8

D. D. Cunningham, M.B., *Surgeon-Major,*
Offg. Sanitary Commissioner for Bengal.

The 6th August 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 21st July 1888.

1 DISTRICTS.	2 NAMES OF MUNICIPALITIES.	3 POPULATION: Males.	Females.	Total.	4 BIRTHS: Number of— Males.	Females.	Total.	5 Ratio per 1,000 of population per annum: Males	Females	Total	6 Ratio of male births to every 100 female births.	7 MORTALITY ACCORDING TO— Disease: Deaths from— Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	8 Ratio per 1,000 of population per annum: Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	9 Ratio of deaths per 1,000 of population per annum in the previous week.	10 Sex: Deaths: Males.	Females.	11 Ratio per 1,000 of population per annum: Males.	Females.	12 Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	7	8	15	11·7	13·3	22·9	87		.	6	1		6	13	.	..	9·1	1·5	.	9·1	13·8	21·4	6	7	17·3	22·7	85
Midnapore ...	Midnapore ...	16,927	16,633	33,560	13	8	21	20·1	12·4	32·5	162		...	2	1		3	6		.	3·1	1·5	.	4·6	9·3	18·6	4	2	12·3	6·3	200
Hughli ...	Hughli and Chinsurah ...	19,179	19,519	38,718	3	7	10	4·0	9·4	13·4	42	1	.	5		1	1	8	1·3	..	6·7		1·3	1·3	10·7	13·4	6	2	16·3	5·3	300
Serampore ...	Serampore ...	13,559	12,937	26,496	6	4	10	11·5	7·8	19·6	150	1		6	2		10	19	1·9	...	11·8	3·9		19·6	37·3	37·3	11	8	42·2	32·2	137
	Utterpara ...	3,046	2,464	5,510	1		1	9·4		9·4	No female birth		..	..	1	.	..	1		.		9·4			9·4	9·4	1	...	17·0	.	No female death.
Howrah ...	Howrah ...	53,153	37,660	90,813	16	10	26	9·2	5·7	14·9	160	1		2	3	1	9	16	6	..	1·1	1·7	·6	5·2	9·2	9·7	8	8	7·8	11·0	100
	Bali ...	7,836	6,979	14,815	1	2	3	3·5	7·0	10·5	50	1		1			1	3	3·5	..	3·5		.	3·5	10·5	28·1	2	1	13·3	7·5	200
24-Pergunnahs ..	Suburbs of Calcutta ..	147,205	104,234	251,439	48	42	90	9·9	5·7	15·6	114	8		[illegible]	23	.	35	128	1·7	..	12·2	4·8	..	7·8	25·5	20·1	57	71	20·1	35·4	80
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	8	2	10	15·1	3·7	18·9	400			1		1	2	4	.	..	1·9	...	1·9	3·7	7·5	11·4	2	2	7·8	7·3	100
	Ranaghat ...	4,028	4,655	8,683	...	1	1	.	6·0	6·0	No male birth		.	2			...	2	...	...	12·0	.	...		12·0	18·0	2	...	25·9	..	No female death.
	Santipore ...	13,708	15,979	29,687	3	4	7	5·2	7·0	12·2	75	.		6	1			7	...	.	10·5	1·7	..	..	12·2	5·2	5	2	19·0	6·5	250
Jessore ...	Jessore ...	4,830	3,665	8,495		...	..		..				.	1	1			2		..	6·1	6·1	...		12·2	...	1	1	10·8	14·2	100
Rajshahye ...	Rampore Beauleah ..	10,766	9,025	19,791	5	1	6	13·1	2·6	15·7	500		.	5	1	1	1	8	..	..	13·1	2·6	2·6	2·6	21·0	26·3	4	4	19·3	21·0	100
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	2	...	2	13·0	.	13·0	No female birth.	..		2			2	4			13·0	.	...	13·0	26·1	39·1	4	..	41·4	...	No female death.
Dacca ...	Dacca ...	42,782	37,379	80,161	5	4	9	3·2	2·6	5·8	125	4		1	3	1	15	24	2·6	..	·6	1·9	·6	9·7	15·6	18·3	15	9	18·2	12·5	166
	Narainganj ...	7,605	4,956	12,561	3	2	5	12·4	8·3	20·7	150	1		1	1		1	4	4·1		4·1	4·1	...	4·1	16·5	12·4	2	2	13·7	30·0	100
Chittagong ...	Chittagong ...	13,340	8,790	22,130	..	...	...		..		...	1	..		2	.		3	2·3	..	.	4·7	.		7·0	11·7	2	1	7·8	5·9	200
Tipperah ...	Comillah ...	8,153	5,353	13,506	2	2	4	7·7	7·7	15·4	100	.	..	7	..	2	3	12		.	27·0		7·7	11·5	46·2	19·2	8	4	51·0	38·8	200
Patna ...	Patna City ...	78,762	81,475	160,237	27	21	48	8·5	6·8	15·6	128	9		21	5	2	25	62	2·9	...	6·8	1·6	·6	8·1	20·1	20·4	28	34	18·5	21·7	83
Gya ...	Gya ...	38,290	37,831	76,121	21	25	46	14·3	17·1	31·4	84	4	..	19	4		27	54	2·7	.	13·0	2·7	...	18·4	36·9	27·3	31	23	42·1	31·6	134
Shahabad ...	Arrah ...	20,960	22,505	43,465	15	9	24	17·9	10·8	28·7	166		1	9	.	.	3	13	.	1·2	10·8	..	...	3·6	15·6	19·1	4	9	9·9	20·8	44
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	9	6	15	10·9	7·3	18·2	150	3	...	3	..	1	10	17	3·6	.	3·6	..	1·2	12·2	20·7	18·2	8	9	18·0	23·6	88
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	12	16	28	9·4	12·6	22·0	75	2		13	3	1	2	21	1·6	..	10·2	2·3	·8	1·6	16·5	22·8	8	13	12·3	20·9	61
Sarun ...	Chupra ...	26,044	27,205	53,249	1	5	6	1·0	4·9	5·9	20	7	1	2	2	2	3	17	0·8	1·0	1·9	1·9	1·9	2·9	16·6	32·2	7	10	14·0	19·1	70
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	20	15	35	18·1	13·6	31·7	133	.	..	13	5	1	13	32	.	...	11·8	4·5	·9	11·8	29·0	25·3	17	15	29·8	28·0	113
Monghyr ...	Monghyr ...	28,154	29,366	57,520	30	26	56	27·1	23·5	50·6	115	...	...	9	3	1	9	22	.		8·1	2·7	·9	8·1	19·9	35·3	14	8	25·8	14·3	175
Purneah ...	Purneah ...	8,463	6,553	15,016	3	1	4	10·4	3·5	13·9	300	.	1	2	1	...	..	4		3·5	6·9	3·5	...	...	13·9	16·4	1	3	6·1	23·8	33
Puri ...	Puri ...	13,247	11,537	24,784	2	1	3	4·2	2·1	6·3	200	19		2	...		12	33	39·9	...	4·2	...	...	25·1	69·2	27·3	18	15	70·7	67·6	120
	TOTAL ...	702,890	619,691	1,322,581	263	222	485	10·3	8·7	19·1	104	62	3	260	63	15	196	539	2·4	·1	7·9	2·5	·6	7·7	21·2	21·9	276	263	20·4	22·1	104

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

		13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	7	6	...	...	...	15·3	30·4	...	...	7	1	...	1	1	1	1	...	1	...	551·5	23·1	......	20·7	16·6	6·6	7·5	......	21·2	......
Midnapore ...	Midnapore ...	...	6	...	...	...	...	12·0	...	...	...	...	1	1	1	1	...	...	...	...	2	......	22·1	13·9	17·1	16·5	......	......	......	......	56·8
Hughli ...	Hughli and Chinsurah ...	...	7	1	...	...	...	11·5	7·6	...	...	3	1	...	...	...	1	1	...	...	2	165·4	19·5	......	......	......	6·8	7·4	......	......	41·5
Serampore ...	Serampore ...	1	16	2	...	...	163·0	33·0	110·9	...	...	4	4	1	2	...	2	...	2	1	3	291·0	115·2	26·7	46·8	......	19·3	......	30·8	27·2	113·1
	Utterpara ...	...	1	...	...	...	...	9·7	...	...	...	...	...	...	...	...	...	...	...	...	1	......	......	......	......	......	......	......	......	......	200·0
Howrah ...	Howrah ...	...	12	3	...	1	...	9·2	7·6	...	215·8	2	2	...	...	...	1	1	4	4	2	50·4	18·8	......	......	......	2·3	3·7	17·7	37·9	27·7
	Bali ...	...	2	1	...	...	...	7·8	39·7	...	...	...	1	...	...	...	1	...	...	1	...	......	52·1	......	......	......	15·5	......	......	49·6	......
24-Pergunnahs ...	Suburbs of Calcutta ...	4	79	45	...	...	51·4	27·4	24·2	...	...	24	9	3	3	9	21	14	16	15	14	261·9	23·0	7·9	8·7	26·0	18·8	14·1	24·5	46·0	51·1
Nuddea ...	Kishnaghur ...	...	3	1	...	...	...	8·3	6·3	...	...	1	...	...	...	1	...	...	...	1	1	101·8	......	......	......	25·3	......	......	......	24·7	39·1
	Ranaghat ...	...	2	...	...	...	...	14·2	...	...	...	...	...	...	...	...	...	1	...	...	1	......	......	......	......	......	......	41·7	......	......	91·4
	Santipore ...	...	7	...	...	...	...	17·6	...	...	...	...	1	1	1	...	...	1	1	...	2	......	16·0	13·7	17·9	......	......	12·0	14·8	......	53·0
Jessore ...	Jessore ...	...	1	1	...	...	...	11·5	13·6	...	...	...	...	...	1	...	...	...	...	1	...	......	......	......	73·2	......	......	......	......	93·4	......
Rajshahye ...	Rampore Beauleah ...	...	6	2	...	...	...	31·5	10·6	...	...	1	1	...	1	...	...	1	...	3	1	128·1	36·7	......	28·9	......	......	14·4	......	125·7	54·0
Darjiling ...	Darjiling ...	...	4	...	...	...	...	45·3	...	...	...	...	1	...	2	...	...	...	1	...	...	......	80·9	......	213·1	......	......	......	75·1	......	......
Dacca ...	Dacca ...	...	17	7	...	...	...	21·9	9·2	...	...	5	...	1	1	2	5	4	3	1	2	137·0	......	5·2	6·5	14·2	17·0	17·8	18·6	11·0	18·7
	Naraingunj ...	...	3	1	...	...	...	24·7	8·4	...	...	2	1	...	...	...	...	...	...	...	1	372·8	45·6	......	......	......	......	......	......	......	79·8
Chittagong ...	Chittagong ...	...	2	1	...	...	...	17·9	3·4	...	...	...	...	...	...	...	1	1	...	1	...	......	......	......	......	......	11·2	15·6	......	47·9	......
Tipperah ...	Comillah ...	...	8	4	...	...	...	70·0	28·1	...	...	4	2	...	...	...	...	...	1	2	3	700·3	79·5	......	......	......	......	......	39·6	129·8	230·1
Patna ...	Patna City ...	...	50	12	...	...	...	21·9	15·3	...	...	12	11	4	5	2	6	2	2	8	10	144·8	39·2	12·4	18·1	9·3	10·8	4·4	5·5	29·4	37·6
Gya ...	Gya ...	...	43	11	...	...	...	37·3	35·6	...	...	18	8	4	1	...	5	3	3	4	8	522·9	65·4	30·9	7·7	......	17·7	12·2	16·0	31·6	86·8
Shahabad ...	Arrah ...	...	9	4	...	...	...	15·1	16·8	...	...	3	2	2	...	1	5	...	...	...	...	121·1	23·5	20·3	......	16·5	33·1	......	......	......	......
Mozufferpore ...	Mozufferpore ...	...	11	6	...	...	...	19·0	25·0	...	...	3	3	1	1	...	3	1	...	1	4	163·4	38·6	11·6	13·1	......	18·2	7·5	......	16·0	85·5
Durbhanga ...	Durbhanga ...	...	14	7	...	...	...	14·8	20·7	...	...	3	6	4	...	1	1	2	...	2	2	100·2	41·0	25·6	......	12·9	3·9	9·3	......	23·7	32·6
Sarun ...	Chupra ...	...	12	5	...	...	...	15·2	21·6	...	...	3	1	...	...	...	4	2	2	...	5	108·0	9·8	......	......	......	21·9	12·9	16·5	......	74·7
Bhagulpore ...	Bhagulpore ...	...	20	12	...	...	...	26·2	36·2	...	...	9	6	...	1	4	2	1	3	3	3	392·0	57·6	......	8·3	49·7	9·5	5·6	24·3	36·8	43·3
Monghyr ...	Monghyr ...	...	17	5	...	...	...	19·8	20·7	...	...	7	5	1	...	2	3	...	2	1	1	245·1	41·8	7·4	......	27·3	15·1	......	16·3	13·1	14·5
Purneah ...	Purneah ...	...	2	2	...	...	...	11·3	18·4	...	...	...	...	...	...	1	1	...	...	1	1	......	......	......	......	52·3	15·8	......	......	55·5	64·4
Puri ...	Puri ...	...	32	1	...	...	...	67·8	247·6	...	...	2	3	1	...	4	4	3	5	6	5	343·2	86·3	23·2	......	111·9	39·4	33·5	78·2	139·8	144·9
	TOTAL ...	5	393	140	...	1	21·7	22·3	18·6	...	36·4	113	70	24	21	29	67	39	45	57	74	193·8	33·2	9·5	9·5	15·2	12·9	8·9	14·6	31·1	47·8

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 6th August 1888.

D. D. CUNNINGHAM, M.B., *Surgeon-Major,*
Offg. Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1888-89.

Areas leased for Irrigation up to the end of June 1888.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilised.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of areas leased. Five years, all crops.	Five years, kharif.	Annual leases. Kharif.	Rabi.	Sugar-cane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1888-89. During month.	Up to end of month.	Rainfall, 1887-88. During month.	Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inch.	Inch.	Inch.	Inch.	
Orissa	Cuttack	Taldunda, 1st Reach.	1,342	......	......	164	51	......	5,524	......	......	......	......	......	......	5,524	1·42	5·51	8·35	16·77	The canals were closed throughout the month.
		Taldunda, 2nd Reach.	566	......	......																
		Machgong ...	776	......	......	......	13	......	12,417	......	......	......	......	......	......	12,417	1·30 4·00	3·10 5·40	6·00 0·85	12·80 7·95	
		Kendrapara ...	1,067	117	70	78	735	......	18,548	......	217	1	......	......	218	18,766	3·05	5·60	3·40	9·99	The canals were re-opened on the 25th June 1888.
		Gobri ...	372·82	13·50	12·63	......	7	......	340	......	22	......	......	......	22	362	3·03	6·51	11·13	19·10	
		Pattamoondi ..	885	41·00	5·47	......	117	......	3,394	......	......	......	......	......	......	3,394	......	......	......	......	
		High Level, Range I.	608	9·16	......	......	1,255	......	1,681	......	1	......	......	......	1	1,682	2·29	4·49	4·40	12·50	The canal was closed during the month.
		High Level, Range II.	727·16	84·66	84·66	184	314	......	608	......	16	......	......	......	16	624	......	......	......	......	The canals were re-opened on the 3rd June 1888.
	Balasore ...	High Level, Range III.	727·16	30·92	30·92	313	180	......	5,275	......	......	115	......	......	115	5,390	3·56	7·96	8·17	16·19	
		Total ...	......	......	......	739	2,671	......	47,787	......	256	116	......	......	372	48,159	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	......	88,291	86	497	71	......	......	654	88,945	......	......	......	......	
South-Western.	Midnapore...	Midnapore ...	1,411	*184	162	3,592	13,678	......	32,488	......	......	......	......	......	......	32,488	3·67	10·08	4·36	13·48	17 days discharging.
	Howrah ..	Panchkoorah ...	522	*21	18	631	880	......	4,339	......	......	......	......	......	......	4,339	4·17	9·50	7·40	16·87	10 " "
		Tidal Reaches, Ranges I and II.	......	......	......	......	......	......	502	......	......	......	......	......	......	502	......	......	......	......	
		Total ...	......	......	......	4,428	14,558	......	37,329	......	......	......	......	......	......	37,329	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	......	53,611	......	......	......	......	......	......	53,611	......	......	......	......	
Sone ...	Shahabad ...	Western Main ...	4,343	974	16	9,266	10,795	13,111	......	......	......	81	......	201	282	13,393	1·72	2·28	5·28	10·39	
		Buxar	1,226	145	131	29,158	31,655	38,375	......	......	......	1,250	......	1,958	3,208	41,583					
		Arrah	2,087	603	603	96,051	66,323	95,297	......	47	......	1,480	......	6,793	8,320	103,617	0·90	1·30	5·93	16·65	
	Patna and Gya.	Eastern Main ...	1,466	284	220	12	53	866	......	......	......	10	......	......	10	876	3·57	4·36	8·36	18·32	
		Patna				383	733	31,773	......	35	......	199	......	......	234	32,007					
		Total ...	......	......	......	134,870	109,469	179,422	......	82	......	3,020	......	8,952	12,054	191,476	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	167,220	......	985	......	3,941	......	9,242	14,163	181,388	......	......	......	......	
		Grand Total ...	......	......	......	140,032	126,698	179,422	85,116	82	256	3,136	......	8,952	12,426	276,964	......	......	......	......	
	Grand Total of the corresponding period of last year ...		......	......	......	......	......	167,220	141,902	1,071	497	4,012	......	9,242	14,822	323,944	......	......	......	......	

(*) Average discharge for 16 days only as irrigation commenced from the 15th June 1888.

G. A. G. SHAWE,
Under-Secretary to the Govt. of Bengal.

The 7th August 1888.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 4th August 1888, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 4th August 1888.			Week ending Saturday, the 6th August 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	461	98,212	1,671	472	1,02,230	1,501
Jute	15	3,750	64	16	2,525	51
Firewood	156	74,525	1,123	129	57,725	817
Other articles	622	1,53,665	2,153	785	1,86,515	2,755
Total ...	1,254	3,30,152	5,011	1,402	3,48,995	5,124

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 28th July 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	*216,643	*2,21,745 9 0	21,68,395 20	4,33,376 14 0	16,064 7 10	6,71,186 14 10	64,927½	80,803½	145,731½
Or per mile of railway ...	......	146 7 10	......	286 4 8	10 9 10	443 6 4	......	......	......
For previous 3 weeks of half-year	744,634	7,05,821 15 0	66,66,271 0	13,35,681 13 0	52,186 7 6	20,93,690 3 0	189,864½	237,670	427,534½
Total for 4 weeks ...	961,277	9,27,567 8 0	88,34,666 20	17,69,058 11 0	68,250 14 10	27,64,877 1 10	254,792	318,473½	573,265½
Comparison.									
Total for corresponding week of previous year	239,911½	2,57,947 14 4	22,63,110 20	4,46,249 9 3	17,550 8 5	7,21,748 0 0	66,550	84,346	150,896
Per mile of railway corresponding week of previous year	......	169 13 0	......	293 12 6	11 8 10	475 2 4	......	......	......
Total to corresponding date of previous year	1,062,150	10,48,344 9 6	95,41,201 20	20,93,821 7 9	72,075 3 6	32,15,161 4 9	278,009	381,374	659,383

* The coaching traffic for the corresponding period of 1887 includes earnings on account of "Jhoolun Jattra" and running of troop extra trains; hence the apparent falling off in the above week.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	7,21,748	475	1,513¾	6,71,187	443	1,519	1,56,22,690	605	1,513¾	1,46,97,803	571	......	9,24,887

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 28th July 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	8,854	4,110 9 0	28,393 10	1,918 10 0	27 9 0	6,056 12 0	1,696	698	2,39
Or per mile of railway	155	71 13 10	496 20	33 8 8	0 7 8	105 14 2	......	......	......
For previous 3 weeks of half-year	27,568	12,408 12 0	1,13,296 0	7,501 5 0	67 15 0	19,978 0 0	5,012	2,254	7,266
Total for 4 weeks ...	36,422	16,519 5 0	1,41,689 10	9,419 15 0	95 8 0	26,034 12 0	6,708	2,952	9,660
Comparison.									
Total for corresponding week of previous year	12,377	6,387 15 4	53,136 10	3,039 3 0	27 12 9	9,454 14 1	1,757	637	2,394
Per mile of railway corresponding week of previous year ...	216¼	111 10 10	929 0	53 2 1	0 7 10	165 4 9	......	......	......
Total to corresponding date of previous year	50,074½	24,805 8 9	2,03,520 0	12,459 11 0	118 3 0	37,383 6 9	7,143	3,462	10,605

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	9,455	165	57½	6,057	106	57½	1,56,544	161	57½	1,41,029	146	......	14,615

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 28th July 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,041	500 13 0	5,912 10	163 5 0	10 10 0	674 12 0	407½	86	493½
Or per mile of railway	......	41 11 9	......	13 9 9	0 14 2	56 3 8	......	......	......
For previous 3 weeks of half-year	9,352	1,649 14 0	20,264 30	511 7 0	29 15 0	2,191 4 0	1,089½	625	1,714½
Total for 4 weeks ...	12,393	2,150 11 0	26,177 0	674 12 0	40 9 0	2,866 0 0	1,497	711	2,208
Comparison.									
Total for corresponding week of previous year	2,478½	411 12 10	11,645 20	265 8 0	11 11 3	689 0 1	407	86	493
Per mile of railway corresponding week of previous year ...	......	34 5 1	......	22 2 0	0 15 7	57 6 8	......	......	......
Total to corresponding date of previous year	12,640½	2,083 13 9	42,304 20	992 9 0	37 12 6	3,114 3 3	1,629	484	2,113

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	689	57	12	675	56	12	17,715	87	12	18,705	92	990	......

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 28th July 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,331	2,891 12 0	82,609 10	3,297 1 0	71 0 0	6,259 13 0	647	1,359	2,006
Or per mile of railway	......	38 10 7	......	44 1 3	0 15 2	83 11 0	......	......	......
For previous 3 weeks of half-year	14,004	10,333 5 0	2,30,742 0	10,658 13 0	265 10 0	21,257 12 0	2,037	4,302¾	6,339¾
Total for 4 weeks ...	18,335	13,225 1 0	3,13,351 10	13,955 14 0	336 10 0	27,517 9 0	2,684	5,661¾	8,345¾
Comparison.									
Total for corresponding week of previous year	4,498	3,136 8 7	81,052 20	2,371 0 0	102 8 0	5,609 11 7	736	1,143	1,879
Per mile of railway corresponding week of previous year ...	......	41 14 11	......	31 11 2	1 5 10	74 15 11	......	......	......
Total to corresponding date of previous year	21,143	17,057 7 7	3,86,461 10	11,366 6 0	328 0 9	28,751 14 4	3,133	5,229	8,362

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	5,610	75	74½	6,260	84	74½	1,42,754	112	74½	1,33,112	105	......	9,642

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 28th July 1888, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	19,567	4,790 9 0	3,002 30	107 4 0	5 7 0	4,903 4 0	911	57	968
Or per mile of railway ...	......	215 4 11	......	4 13 1	0 3 11	220 5 11	......	......	......
For previous 3 weeks of half-year	65,919	16,126 12 0	10,081 10	398 4 0	14 8 0	16,539 8 0	2,793	199	2,992
Total for 4 weeks ...	85,486	20,917 5 0	13,084 0	505 8 0	19 15 0	21,442 12 0	3,704	256	3,960
Comparison.									
Total for corresponding week of previous year	16,809½	4,213 0 11	5,343 0	195 12 0	6 14 9	4,415 11 8	922	46	968
Per mile of railway corresponding week of previous year ..	.....	189 5 7	.....	8 13 9	0 5 0	198 7 4	......	......	......
Total to corresponding date of previous year	80,712	19,352 12 10	18,995 10	729 15 0	15 1 9	20,097 13 7	4,064	236	4,300

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	4,416	198	22¼	4,9[illegible]3	220	22¼	97,168	257	22¼	1,05,749	280	8,581	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 21st July 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	114,201	49,309 0 0	4,02,418 0	82,792 0 0	10,291 0 0	1,42,392 0 0	22,002	17,930	39,932
Or per mile of railway	170	73 0 0	600 0	123 0 0	*3 0 0	199 0 0	......	......	......
For previous 2 weeks of half-year	229,481	1,05,615 0 0	8,20,709 0	1,37,642 0 0	20,789 0 0	2,61,046 0 0	43,642	38,895	82,537
Total for 3 weeks ...	343,682	1,54,924 0 0	12,23,127 0	2,20,434 0 0	31,080 0 0	4,06,438 0 0	65,644	56,825	1,22,469
Comparison.									
Total for corresponding week of previous year	103,674	48,024 0 0	†5,80,196 0	†92,003 0 0	10,096 0 0	1,50,123 0 0	20,499	18,277	38,776
Per mile of railway corresponding period of previous year ..	161	74 0 0	900 0	143 0 0	*3 0 0	220 0 0	......	......	......
Total to corresponding date of previous year	368,119	1,68,244 0 0	13,24,227 0	2,30,718 0 0	33,261 0 0	4,32,223 0 0	67,215	55,689	1,22,904

* Excluding steamer earnings.
† Excluding B. Train.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,50,123	233	672	1,42,392	212	645	22,79,247	221	674	*23,19,125	215	39,878	......

* Audited up to 16th June 1888.

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 28th July 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including Steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	116,728	51,030 0 0	4,04,052 0	1,01,379 0 0	11,051 0 0	1,63,480 0 0	22,002	20,114	42,116
Or per mile of railway ...	174	76 0 0	601 0	151 0 0	2 0 0*	229 0 0	......	......	......
For previous 3 weeks of half-year	343,682	1,54,924 0 0	12,23,127 0	2,20,434 0 0	31,080 0 0	4,06,438 0 0	65,644	56,825	122,469
Total for 4 weeks ...	460,410	2,05,974 0 0	16,27,179 0	3,21,813 0 0	42,131 0 0	5,69,918 0 0	87,646	76,939	164,585
Comparison.									
Total for corresponding week of previous year ...	141,492†	48,250 0 0	4,06,129 0	85,622 0 0	9,014 0 0	1,42,886 0 0	20,491	18,447	38,938
Per mile of railway corresponding period of previous year ..	219	75 0 0	630 0	133 0 0	2 0 0*	210 0 0	......	......	......
Total to corresponding date of previous year	509,611	2,16,494 0 0	17,30,356 0	3,16,310 0 0	42,275 0 0	5,75,109 0 0	87,706	74,136	161,842

* Excluding steamer earnings.
† Including monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,42,880	221	672	1,63,480	243	645	24,22,113	221	674	24,98,253*	218	76,140	......

* Audited up to 23rd June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 21st July 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	22,751	7,431 0 0	31,576 0	2,238 0 0	53 0 0	9,722 0 0	3,813	1,859	5,672
Or per mile of railway	182	60 0 0	253 0	18 0 0	......	78 0 0	......	......	......
For previous 2 weeks of half-year	48,067	16,119 0 0	72,774 0	4,286 0 0	189 0 0	20,594 0 0	7,681	3,735	11,416
Total for 3 weeks ...	70,818	23,550 0 0	104,350 0	6,524 0 0	242 0 0	30,316 0 0	11,494	5,594	17,088
Comparison.									
Total for corresponding week of previous year	22,625	7,730 0 0	31,752 0	2,132 0 0	33 0 0	9,895 0 0	3,833	1,377	5,210
Per mile of railway corresponding period of previous year ..	181	62 0 0	254 0	17 0 0	.....	79 0 0	......	......	......
Total to corresponding date of previous year	79,120	27,523 0 0	111,280 0	7,389 0 0	254 0 0	35,166 0 0	12,316	4,854	17,170

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	9,895	79	125	9,722	78	125	2,11,092	106	125	*1,89,555	95	......	21,537

* Audited up to 16th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ending 28th July 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,390	7,560 0 0	27,709 0	1,980 0 0	50 0 0	9,590 0 0	3,813	1,859	5,672
Or per mile of railway	187	60 0 0	222 0	16 0 0	1 0 0	77 0 0	......	......	......
For previous 3 weeks of half-year	70,818	23,550 0 0	1,04,350 0	6,524 0 0	242 0 0	30,316 0 0	11,494	5,594	17,088
Total for 4 weeks ...	94,208	31,110 0 0	1,32,059 0	8,504 0 0	292 0 0	39,906 0 0	15,307	7,453	22,760*
Comparison.									
Total for corresponding week of previous year	27,402*	7,439 0 0	39,863 0	3,086 0 0	89 0 0	10,614 0 0	3,616	1,594	5,210
Per mile of railway corresponding week of previous year ...	220	59 0 0	319 0	25 0 0	1 0 0	85 0 0	......	......	......
Total to corresponding date of previous year	106,612	34,962 0 0	1,5?,143 0	10,475 0 0	343 0 0	45,780 0 0	15,932	6,448	22,380

* Includes monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	10,614	85	125	9,590	77	125	2,21,766	104	125	2,00,242*	94	....	21,524

* Audited up to 23rd June 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 21st July 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,704	3,727 0 0	3,301 0	380 0 0	188 0 0	4,295 0 0	2,141	963	3,104
Or per mile of railway	148	43 0 0	38 0	5 0 0	2 0 0	50 0 0	......	......	......
For previous 2 weeks of half-year	25,569	8,904 0 0	9,222 0	843 0 0	202 0 0	9,949 0 0	4,282	1,926	6,208
Total for 3 weeks ...	38,273	12,631 0 0	12,523 0	1,223 0 0	390 0 0	14,244 0	6,423	2,889	9,312
Comparison.									
Total for corresponding week of previous year	10,617	3,392 0 0	2,704 0	358 0 0	397 0 0	4,147 0 0	2,717	612	3,329
Per mile of railway corresponding period of previous year ...	123	39 0 0	31 0	4 0 0	5 0 0	48 0 0	......	......	......
Total to corresponding date of previous year	34,716	11,244 0 0	8,311 0	1,009 0 0	780 0 0	13,033 0 0	8,730	2,108	10,838

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	R
86	4,147	48	86	4,295	50	86	78,793	57	86	*78,130	57	......	663

* Audited up to week ending 16th June 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 28th July 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	No. of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	11,626	3,729 0 0	8,980 0	420 0 0	17 0 0	4,166 0 0	2,383	722	3,105
Or per mile of railway	135	43 0 0	104 0	5 0 0	......	48 0 0	......	......	......
For previous 3 weeks of half-year	38,273	12,631 0 0	12,523 0	1,223 0 0	390 0 0	14,244 0 0	6,423	2,889	9,312
Total for 4 weeks ...	49,899	16,360 0 0	21,503 0	1,643 0 0	407 0 0	18,410 0 0	8,806	3,611	12,417
Comparison.									
Total for corresponding week of previous year	10,218	3,310 0 0	10,281 0	673 0 0	60 0 0	4,043 0 0	2,693	271	2,964
Per mile of railway corresponding period of previous year	119	38 0 0	119 0	8 0 0	1 0 0	47 0 0	......	......	......
Total to corresponding date of previous year	44,934	14,554 0 0	18,593 0	1,682 0 0	840 0 0	17,076 0 0	11,428	2,379	13,807

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	4,043	47	86	4,166	48	86	82,835	7	86	82,393*	56	......	442

* Audited up to week ending 23rd June 1888.

ASSAM-BEHAR STATE RAILWAY.

(Purneah Section.)

Approximate Return of Traffic for week ended 21st July 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,955	925 0 0	10,253 0	1,320 0 0	20 0 0	2,265 0 0	546	546	1,092
Or per mile of railway	76	24 0 0	494 0	34 0 0	.....	58 0 0	......	......	......
For previous 2 weeks of half-year	5,954	1,994 0 0	43,473 0	3,823 0 0	50 0 0	5,867 0 0	1,092	1,092	2,184
Total for 3 weeks ...	8,909	2,919 0 0	53,726 0	5,143 0 0	70 0 0	8,132 0 0	1,638	1,638	3,276
Comparison.									
Total for corresponding week of previous year ..	3,069	1,058 0 0	9,082 0	933 0 0	23 0 0	2,014 0 0	546	546	1,092
Per mile of railway corresponding period of previous year...	79	27 0 0	233 0	24 0 0	1 0 0	52 0 0	......	......	.....
Total to corresponding date of previous year	9,631	3,248 0 0	40,582 0	3,436 0 0	151 0 0	6,835 0 0	1,794	1,794	3,588

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 23rd July 1887.			Receipts for week ending 21st July 1888.			Total receipts from 1st April 1887 to 23rd July 1887.			Total receipts from 1st April 1888 to 21st July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	2,014	52	39	2,265	58	39	46,912	75	39	*53,248	85	6,336	......

* Audited up to week ending 10th June 1888.

ASSAM-BEHAR STATE RAILWAY.

PURNEAH SECTION.

Approximate Return of Traffic for week ended 28th July 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,084	925 0 0	18,388 0	1,340 0 0	20 0 0	2,285 0 0	546	546	1,092
Or per mile of railway	77	24 0 0	471 0	34 0 0	1 0 0	59 0 0	......	......	......
For previous 3 weeks of half-year	8,909	2,919 0 0	62,726 0	5,143 0 0	70 0 0	8,132 0 0*	1,638	1,638	3,276
Total for 4 weeks ...	11,893	3,844 0 0	81,114 0	6,483 0 0	90 0 0	10,417 0 0	2,184	2,184	4,368
Comparison.									
Total for corresponding week of previous year	2,772	906 0 0	8,944 0	893 0 0	29 0 0	1,828 0 0	546	546	1,092
Per mile of railway corresponding period of previous year ...	71	23 0 0	229 0	23 0 0	1 0 0	47 0 0	......	......	......
Total to corresponding date of previous year	12,403	4,154 0 0	49,526 0	4,329 0 0	180 0 0	8,663 0 0	2,340	2,340	4,680

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,828	47	39	2,285	59	39	48,740	74	39	54,007*	81	5,267	......

* Audited up to week ending 23rd June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 28th July 1888, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,846	1,086 0 0	3,724 0	292 0 0	7 0 0	1,385 0 0	509	254	763
Or per mile of railway	104	40 0 0	137 0	11 0 0	...	51 0 0	......	......	......
For previous 3 weeks of half-year	8,924	3,265 0 0	20,495 0	1,343 0 0	24 0 0	4,632 0 0	1,527	762	2,289
Total for 4 weeks ...	11,770	4,351 0 0	24,219 0	1,635 0 0	31 0 0	6,017 0 0	2,036	1,016	3,052
Comparison.									
Total for corresponding week of previous year ...	2,813	1,076 2 9	10,745 30	673 9 0	99 0 5	1,848 12 2	509	254	763
Per mile of railway corresponding week of previous year ...	103	39 0 0	394 0	25 0 0	4 0 0	68 0 0	......	......	......
Total to corresponding date of previous year	13,013	4,875 5 5	35,995 20	2,492 3 0	147 12 5	7,515 4 10	2,218	1,324½	3,542½

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	1,849	68	27¼	1,385	51	27¼	30,811	67	27¼	31,951	69	1,440	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 28th July 1888, on 259 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	29,973	9,947 0 0	1,27,232 0	10,653 0 0	2,469 0 0	23,069 0 0	5,629	4,859	10,488
Or per mile of railway ...	116	38 0 0	491 0	41 0 0	3 0 0	82 0 0*	......	......	......
For previous 3 weeks of half-year	101,622	34,549 0 0	4,52,203 0	36,262 0 0	7,920 0 0	78,731 0 0	16,961	16,291	33,252
Total for 4 weeks ...	131,600	44,496 0 0	5,79,495 0	46,915 0 0	10,389 0 0	1,01,800 0 0	22,590	21,150	43,740
Comparison.									
Total for corresponding week of previous year on 249 miles open	35,742	11,490 15 2	1,44,833 0	12,002 3 0	3,953 6 9	27,446 8 11	0,108	5,363	11,361
Per mile of railway corresponding week of previous year ...	144	46 0 0	582 0	48 0 0	1 0 0	95 0 0*	......	......	......
Total to corresponding date of previous year	153,748½	50,270 12 0	6,50,941 10	52,707 15 0	17,373 13 10	1,20,352 8 10	28,163	24,128	52,291

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 30th July 1887.			Receipts for week ending 28th July 1888.			Total receipts from 1st April 1887 to 30th July 1887.			Total receipts from 1st April 1888 to 28th July 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	27,447	110	259	23,069	89	249	5,75,685	130	259	5,89,625	134	13,940	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 21st July 1888	12,899
Corresponding week last year	10,614
Increase	2,285
Receipts from 1st to 21st July 1888	29,755
From 1st to 23rd July 1887	24,263
Increase	5,492
	Miles.
Miles open week ending 21st July 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 21st July 1888	252 14 9
Corresponding week last year	208 1 10
Increase	44 12 11

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CONTENTS.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE CHOTA NAGPORE DIVISION FOR THE YEAR 1887-88.

GENERAL DEPARTMENT,—MISCELLANEOUS.

Calcutta, the 13th August 1888.

RESOLUTION.

READ—

The General Administration Report of the Chota Nagpore Division for the year 1887-88.

The report is submitted by Mr. Stevens, who was in charge of the division throughout the year.

2. The rainfall was unevenly distributed, and in portions of the Manbhoom and Hazaribagh districts was insufficient. In consequence, the harvest as a whole was poor, and the prices of the principal food-grains rose, but, except in the two districts named, it is said that the people nowhere felt actual want. The ravages of fever and cholera were worse than usual.

3. *Emigration.*—The increase in the number of registered emigrants from 3,952 to 6,145 is attributed to the partial failure of the crops. There is no doubt that the number of "free emigrants" has also increased very largely. In some cases serious abuses in connection with the recruiting of coolies for the Assam districts were brought to light, and the offenders have been criminally prosecuted and convicted. The chief offender was one Lawton in the Hazaribagh district. Four cases were instituted against him, in three of which he was sentenced to various terms of imprisonment. Two other cases occurred at Giridih, in which

fourteen persons were convicted and punished. The Commissioner reports that the deputation of a special police officer to enquire into such cases has undoubtedly been productive of considerable advantage, but that the working of the present emigration law, so far as recruiters are concerned, is not satisfactory, and cannot be made so. The evil lies deep, and can only be eradicated by imposing some efficient control on the present unlicensed system. As the Commissioner is aware, the whole question is now under the special consideration of Government.

4. *Revenue.*—The special settlement operations which have been in progress in this division for some years have been brought to a conclusion under the able supervision of Mr. Slack. The land revenue collections were satisfactory except in Lohardugga, where the reason assigned for short collection is insufficient. The whole land revenue from this division amounts to only Rs. 3,75,000, while the cess collections are Rs. 2,90,000. There are many estates in which the cess demand, which is calculated at one anna on every rupee of rent paid by the actual cultivators, exceeds the land revenue assessment. The excise is a large source of income in this division, amounting to more than six lakhs of rupees, of which nearly four lakhs are obtained from country spirits. The outstill system is the only one which is practicable in a backward tract of country like Chota Nagpore, but a central distillery has been opened at Giridih, where there is a large mining population, and is said to be working satisfactorily.

5. *Railways.*—Progress is being made in the acquisition of land for the Bengal-Nagpore Railway Company. There was some hesitation in determining the point of junction with the East Indian Railway line, and the Assensole route was not finally selected till last cold-weather. Station sites have now been selected, and every effort is being made to have the rails laid as far as Purulia by the 1st January, 1889. The Benares-Cuttack line, which, according to the plans approved by Government, will intersect the Bengal-Nagpore line at Purulia, has not yet been taken in hand. It is difficult, as Mr. Stevens observes, to over-estimate the effect which those two lines will have in developing the resources of the division.

6. *Encumbered Estates.*—A large share of the time of the Revenue authorities in this division is devoted to the administration of encumbered estates under Act VI of 1876. The number of estates now under management is 61. The Dhalbhoom Raj was taken charge of during the year. The estate is a very large one, covering an area of 1,100 square miles, and its affairs are in such a state of confusion that it will take two or three years, if not longer, before they can be put right. Under this head the Commissioner observes:—

"The working of the Encumbered Estates' Act has on the whole been successful. It has saved from absolute ruin a large number of the principal landed proprietors of the division. Its protective provisions are much appreciated by the proprietors, but I fear that they do not all deal honestly with us. Some, I have reason to believe, find it possible to contract fresh debts notwithstanding their disability under the law: the mahajans appear to have perfect confidence that they will some day be paid."

7. The Lieutenant Governor has to acknowledge Mr. Stevens' careful administration of this division throughout the year.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE CHITTAGONG DIVISION FOR THE YEAR 1887-88.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 13th August 1888.

RESOLUTION.

READ—

The General Administration Report of the Chittagong Division for the year 1887-88.

MR. LYALL, who submits this report, was in charge of the Division throughout the year. The Collector of Chittagong took privilege leave for three months: with this exception, the Regulation districts experienced no change either in regard to district or sub-divisional officers, and a satisfactory continuity in administration was therefore maintained. The tours made both by the Commissioner and his subordinates appear to have been sufficient. The Collector of Chittagong was in camp only 61 days, his tour being cut short by work at head-quarters requiring his presence. The Commissioner observes that he considers the district was sufficiently inspected, the short time spent by the Collector being made up for by his subordinates, and that it should be borne in mind that Mr. Manson knows the district thoroughly. The Deputy Commissioner of the Hill Tracts also was only 81 days on tour, as he was tied to his head-quarters during the last half of the cold weather owing to the raids. These explanations of a shorter tour than usual in both cases are accepted.

2. The year was remarkable for the small rainfall throughout the Division. As, however, the rain was well distributed everywhere,—and it is on the happy distribution of rain that the crops are dependent much more than on the aggregate quantity of rainfall,—the harvests of the Division, both rice and jute, betel and cocoanuts, were excellent and decidedly above the average. The yield of cotton in the Hill Tracts was the best which had been obtained for many years, and the hillmen profited much by its sale. Although the year was not a healthy one, it was marked generally by prosperity and further improvement in the condition of the people.

3. The total value of the trade of the Chittagong Port continues to increase, and now amounts to Rs. 2,90,82,789. This increase is mainly due to jute: the value of jute imported into Chittagong from Naraingunge being nearly a crore of rupees, and as this item appears a second time in the returns, the whole of the jute imported in country boats being again exported in large ships to England, it will be seen that jute alone accounts for more than two-thirds of the Chittagong trade. If foreign trade only be considered, it is found that the imports into Chittagong amounted to five and a half lakhs of rupees, consisting chiefly of salt and oil, while the exports amounted to a crore and twenty lakhs, of which Rs. 98,40,670 represent the value of jute, and Rs. 21,67,353 the value of paddy and rice. The increase in the export of rice as well as of jute is attributable to the good harvest.

4. Owing to the reduction in the freight of jute from Naraingunge by country brigs, the ship-building industry, for which Chittagong was once famous, has declined. There were only two vessels built during the year, and it was necessary to charter vessels from the Madras coast to meet the demand of jute-shippers for tonnage. The freight of jute has now increased from twelve annas to one rupee a bale.

5. Mr. Lyall dwells in several passages of his report on the importance to Chittagong of the projected line of railway to Cachar and the Assam districts. There can be no doubt that this railway would facilitate trade, and greatly augment the wealth of the district.

6. The most important administrative change in the Division has been the further development of the khas tehsil revenue system by the creation of two new khas tehsil appointments in the town of Chittagong itself and at Cox's Bazar. There are now five khas tehsildars employed in the district on salaries rising from Rs. 200 to Rs. 300 a month, and a Special Sub-Deputy Collector is entertained for the management of the Government estates in the island of Kutubdia. The district is now furnished with a very strong executive local agency, and although the increased expenditure involved in

khas tehsil administration in Chittagong is considerable, the result, as shown, not only in improved collections, but in general executive efficiency, is satisfactory. Mr. Manson's industry and ability in controlling this large establishment have often been acknowledged by Government. The Lieutenant Governor is also glad to observe the special commendation which is awarded by both the Commissioner and Collector to the revenue work done by Mr. Mackertich, the late Sub-divisional Officer of Cox's Bazar.

7. The introduction of the postal money-order system as a means of paying Government revenue has been a convenience highly appreciated in Chittagong. During the past year 9,393 orders were received, and only 401, or 4·2 per cent., were refused. In the current year, up to the close of June, the number received was 11,677.

8. The re-settlement of Nulchira in Noakhally, under the provisions of the Tenancy Act, was brought to a satisfactory conclusion. It is the first settlement on any considerable scale which has been effected under the Tenancy Act.

9. The excise revenue of the Division amounted to Rs. 2,60,558. There was a large increase from opium and ganja, but the receipts from country spirit show a decline. The Collector of Chittagong states that many Mughs, who formerly drank country spirit, have ceased to do so since Colonel Olcott's visit to the district last year. The excise revenue from Noakholly is, as usual, remarkable for its smallness: it amounts to only Rs. 14,096. The population consists for the most part of Mahomedans, who are scrupulous in abstaining from spirituous liquor.

10. It is remarked that the Municipal Commissioners of Chittagong take much interest in their duties, that there has been more attention paid to sanitation and cleanliness, and that the services of several inhabitants willing to work, both European and native, have been utilised in Ward Committees. The Local Boards are reported to have worked fairly well, but to be slow to originate new work. This is a characteristic of Local Boards in all countries: the initiative must come from the Chairman, or Vice-Chairman, or other Executive head.

11. The management of the Court of Wards' estates in this Division has continued to be very satisfactory. The survey of the estates of Rajkrishna Banerjea and Salamat Ali Khan has been completed, and a considerable increase of revenue is expected from new lands brought under cultivation.

12. In the Chittagong district the number of Mahomedan gazetted officers is 35 per cent. on the total employed, of officers in superior service 21 per cent., and of those in inferior service 41 per cent. It is observed in the report that the proportion of Mahomedans in superior service, which is under the Collector's control, is steadily rising. Regarding the other districts, the information given is insufficient. Sir Steuart Bayley considers it very important that in the Chittagong Division, where the Mahomedans are admittedly the prevailing element in the population, a due regard should be paid to their claims in the distribution of patronage.

13. The Lieutenant-Governor acknowledges Mr. Lyall's efficient administration of his Division in all departments. He desires also to thank him for his succinct and useful report.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

DONATION TO THE SHEKPURA AIDED MIDDLE ENGLISH SCHOOL IN THE MONGHYR DISTRICT.

GENERAL DEPARTMENT—EDUCATION.

The 13th August 1888.

RESOLUTION.

READ—

A letter from the Director of Public Instruction, No. 4275, dated the 7th August 1888, regarding a donation made by Nawab Ali Khan of Hosenabad, in the district of Monghyr, to the Shekpura Aided Middle English School.

It has been reported by the Director of Public Instruction that Nawab Ali Khan of Hosenabad, in the district of Monghyr, has paid into the Jamui Treasury the sum of Rs. 2,100 as a donation to the Shekpura Aided Middle English School, and that with these funds Government securities of the nominal value of Rs. 2,000 have been purchased in favour of the Collector of Monghyr. The Lieutenant-Governor is pleased to accept this donation, and tenders his thanks to Nawab Ali Khan for his liberality. The Government securities should be endorsed in favour of the Comptroller-General, and deposited with the Accountant-General, Bengal, for safe custody, the Sub-divisional Officer of Jamui being the administrator of the fund.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Director of Public Instruction for information and communication to the donor, and also that a copy be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

DISCONTINUANCE OF THE PAYMENT OF FEES TO GOVERNMENT MEDICAL OFFICERS FOR PERFORMING THE DUTIES OF CERTIFYING SURGEONS UNDER THE INDIAN FACTORIES ACT, XV OF 1881.

THE following is published for general information.

By order of the Lieutenant-Governor of Bengal,

REVENUE DEPT.,
The 14*th August* 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

No. 1242, dated Simla, the 28th July 1888.

From—A. P. MACDONNELL, ESQ., C.S.I., Secretary to the Government of India, Home Department,

To—The Chief Secretary to the Government of Bombay.

I AM directed to acknowledge the receipt of your letter No. 2018, dated the 13th ultimo, soliciting sanction to the payment, in accordance with the practice in force in the Lower Provinces of Bengal, of a fee of four annas for every certificate of age given by certifying Surgeons under the Indian Factories Act, XV of 1881, in the Bombay Presidency, who are Medical Officers in Government employ.

It is at the same time explained that the suggestion made in paragraph 4 of the letter from this Department, No. 991, dated the 13th July 1882, for the adoption of the Bengal practice in the Bombay Presidency was not carried out at the time, as the system then in force in that Presidency, whereby certifying Surgeons were permitted to accept a fee of one rupee per head when a child was sent for examination by mill-owners themselves, appeared to have worked satisfactorily.

2. In reply, I am to say that, on a reconsideration of the matter, it appears to the Governor-General in Council that, apart from the fact that the payment of the proposed fee would require the sanction of Her Majesty's Secretary of State in cases in which it would have the effect of raising a Medical Officer's salary above Rs. 5,000 per annum, the grant of special remuneration to Government servants for duties imposed by the law is open to objection on principle. His Excellency in Council accordingly regrets that he is unable to accede to the proposal made in the letter under acknowledgment.

3. I am to add that the Government of Bengal will be addressed in view to the discontinuance of the payments now made to certifying Surgeons in the Lower Provinces who are salaried officers of Government.

No. 1244.

COPY forwarded to the Government of Bengal, General Department, with reference to the correspondence ending with the letter from this Department, No. 992, dated the 13th July 1882, with a request that the practice of paying fees to Government Medical Officers in the Lower Provinces for performing the duties of certifying Surgeon under the Indian Factories Act may be discontinued.

REPORT OF THE HEALTH OFFICER OF THE PORT OF CALCUTTA FOR 1887.

No. 1180 Marine.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

RESOLUTION.

Dated Calcutta, the 13th August 1888.

READ—

A letter No. 1272R.A., dated the 20th February 1888, from the Sanitary Commissioner for Bengal, submitting the report of the Health Officer of the Port of Calcutta for the year 1887.

Establishment.

DR. LYNCH was the Health Officer of the Port of Calcutta throughout the year. He represents the difficulty experienced in carrying on his duties when his steam-launch is detained in the Dockyard for repairs, and states that the "bolio" sanctioned by Government, and received by him at the end of 1886, was found to be unsuitable for the Health Officer, and was made over to the Sanitary Inspector. A suitable boat has since been provided for the use of the Health Officer.

Inspections.

2. The report shows that 1,601 vessels were inspected during the year against 1,516 in 1886 and 1,406 in 1885. This increase in the number of inspections is satisfactory.

Sickness and mortality among European seamen.

3. The average number of European seamen in the Port was 1,893 against 2,326 in the previous year. The health of the seamen shows a great improvement. Including deaths out of hospital, the death-rates of the last four years are as follows:—

	Cholera.	Other causes.	Total.
1884	21·96	41·57	63 53
1885	4·72	25 99	30 71
1886	11·61	33 53	45·14
1887	10 03	16 91	26 94

The total casualties from all causes amounted to 51 against 105 of the previous year. During 1887 the Port shared with the Town in a general improvement of the public health.

Deaths at sea.

At sea there were 47 deaths amongst European seamen against 41 during the previous year.

Venereal disease.

4. There appears to have been a decrease of venereal disease among the European seamen. The following table shows the admissions into hospital since 1883:—

	Total admissions.	Rate per thousand.
1883	237	127·8
1884 ...	184	109·2
1885	170	100·4
1886	417	179·2
1887	228	120·4

Scurvy.

5. Scurvy appears to have been steadily diminishing since 1884. The number of persons admitted into hospital suffering from this disease amounted to 24, 13, 17 and 4 re- [illegible] the last four years. The cases reported in 1887 were admitted from one ship alone, which arrived from New York, and it was found on enquiry that she had two descriptions of lime-juice on board—one supplied under the rules of the Board of Trade, and the other of local manufacture purchased in New York. The Chemical Examiner pronounced the latter to be of weak quality.

Sickness and mortality among the native floating population.

6. Dr. Lynch thinks that the number of natives afloat, according to the Census of 1881, viz., 25,000, is below the actual number constantly found on the river. The Sanitary Commissioner states that a correct day census of the native river population is necessary for true statistical exposition. There are obvious difficulties in arriving at the number of the floating population, but the expediency of making further enquiries on the subject will be considered.

The following table shows the mortality recorded from all causes among the native river population, the averages being calculated on a population of 25,630:—

	Total deaths.		Ratio per mille.	
	1887.	1886.	1887.	1886.
Cholera	49	59	1·91	2·32
Diarrhœa	1	2	·03	·07
Dysentery	5	2	·19	·07
Fever, Malarious	...	1	...	·03
" Simple	22	15	·85	·59
Other diseases	21	23	·81	·90
Total ...	98	102	3·82	4·01

The above record appears to be too low. The death-rate from cholera, which is one-half of the total death-rate, is lower than any recorded since 1881.

Water supply.

7. It is stated in the report that no complaints were received from the shipping during the year regarding water-supply, and that the Municipal Commissioners of the Town have supplied one water-boat on an improved plan to take the place of one of the old faulty boats. The Sanitary Commissioner recommends that all the boats should be similarly replaced. A separate report has been received on this matter, which has formed the subject of correspondence with the Municipal Commissioners. The Chairman of the Corporation will be requested to state what further progress is being made to perfect the arrangements for the supply of water to the shipping.

Comparative mortality of the native population on the river and of the town in respect of cholera.

8. Dr. Lynch has submitted a statement comparing the mortality from cholera of the native population on the river drinking unfiltered water and that of the town during the last seven years. The death-rate of the town during these years compares very unfavourably with that of the river, and this fact might apparently lead to the conclusion that it is safer to use unfiltered than filtered water for drinking and domestic purposes. The Lieutenant-Governor agrees in the view taken by the Sanitary Commissioner that the smaller death-rate on the river is not due to any superior healthiness of unfiltered water, but to the absence there of other causes of unhealthiness which occur in the town, *e.g.*, crowding, defective ventilation, sewer gas, emanations from many kinds of refuse, &c.

Pilgrims.

9. Two foreign vessels arrived during the year with pilgrims on board, and in both of them small-pox had broken out during the voyage. Two cases were found on board one of them on arrival, and nine in the other. The children in one of the steamers were vaccinated before being allowed to disembark, but the Health Officer draws attention to the difficulty that arises in enforcing the provisions of the Compulsory Vaccination Act. This matter will receive the consideration of the Lieutenant-Governor.

Lascar crews.

10. The total death-rate among the lascar crews on the river was 4·04 per 1,000 against 3·56 per 1,000 during the year 1886. The lascars appear to have been generally well treated.

Corpses and carcasses floating in the river.

11. In his report for 1886, the Health Officer drew attention to the practice of throwing corpses and carcasses into the river, and that of discharging into it night-soil and sewage from different sources. This point was noticed in paragraph 7 of the Resolution dated the 20th May 1887, recorded by this Government, reviewing the report. A Conference, consisting of the Commissioners of the Presidency and Burdwan Divisions, the Chairman of the Port Commissioners, Calcutta, and the Commissioner of Police, was appointed to consider the matter. Their report has been received, and further action is now being taken in the matter.

There was a considerable increase in the number of corpses floating down the river, the number disposed of being 106 against 70 in 1886 and 50 in 1885, but it is satisfactory to learn that the number of carcasses, 3,169, found in the

river shows a large decrease on any year since 1883, during which the numbers varied from 3,749 to 4,853.

Conservancy. Sanitary defects.

12. There has been a general improvement in the conservancy of the foreshore of the river, many of the nuisances formerly complained of having been abated. But the sewer on the Howrah side, which discharges its contents into the river at the Salt Golahs, still continues to cause serious nuisance. The Sanitary Commissioner, in his Inspection Report of the Howrah Municipality for 1886, suggested that the storm-water and sewage of the greater portion of the Municipality should be carried to the westward, and discharged through the natural drainage channels of the country, and that the Commissioners should take an engineer's opinion as to the possibility of carrying the sewage of the drain emptying near the Salt Golahs Ghât across the Grand Trunk road to the westward. The Municipal Commissioners of Howrah will be asked to report what steps they are taking in this matter.

Dr. Lynch states that the latrine of the Port Commissioners in their workshop at Howrah still discharges its contents into the river, and that the British India Steam Navigation Company have opened a drain into the river from a latrine in one of their workshops at Howrah. The Port Commissioners stated in their letter No. 750, dated 25th June 1887, that the latrine referred to by the Health Officer was perfectly efficient, but subsequently it appears to have been arranged with the Sanitary Commissioner that the latrine should be removed to another site, as in its present position river pollution cannot, it is stated, be altogether avoided. The Commissioners will be asked to state what has been done in the matter.

The British India Steam Navigation Company will be asked to consider the Health Officer's remarks, and to make arrangements which will ensure that the river will not be polluted by discharges from their workshops.

Conclusion.

13. The Lieutenant-Governor is glad to notice that the year under review was characterised by a marked improvement in the general conservancy of the foreshore of the river, and that some of the chief sources of river pollution, viz., the Calcutta flushing inlets, Tolly's Nullah, and the Dunkati khal, have been improved.

The Lieutenant-Governor endorses the commendation bestowed upon Dr. Lynch by the Sanitary Commissioner for the energy and efficiency displayed by him in the performance of his duties. His Honour also notices with pleasure that the native Sanitary Inspector, Babu Nundo Lall Haldar, has performed his duties satisfactorily.

By order of the Lieutenant-Governor of Bengal,

C. W. I. HARRISON, *Lieut.-Col.*, R. E.,

Offg. Joint-Secy. to the Govt. of Bengal,
P. W. Dept.

RESOLUTION ON THE EMBANKMENT REPORTS FOR THE YEAR 1886-87.

No. 1451I.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

IRRIGATION.

Calcutta, the 13th August 1888.

RESOLUTION.

READ—

The Embankment Reports for 1886-87.

The grant for the maintenance of embankments for the year 1886-87 was—

		Rs.
Government embankments	... ...	5,31,000
Tuccavee ditto	... ...	1,32,000
	Total	6,63,000

The expenditure was as follows:—

		Rs.
Government embankments	...	5,45,436
Tuccavee ditto	...	84,340
	Total	6,29,776

2. The accompanying statement shews the lengths of embankments in each Civil Division and District in Bengal other than Orissa, maintained either directly by Government or at the cost of zemindars. The embankments mentioned in Schedule D to Bengal Act No. II of 1882 are maintained at Government expense. Those classed as tuccavee are maintained at the cost of zemindars, either under contract for a fixed term of years, or under annual estimates for repairs.

3. The total length of D Schedule Embankments, and the cost of maintenance of the same, exclusive of establishment and tools and plant, during the year under review, as compared with those of the previous year, are shown below—

YEAR.	Length.		Cost.
	Miles.	Feet.	Rs.
1886-87	1,184	332	2,90,658
1885-86	1,184	4,535	2,13,754

4. The slight decrease in length during 1886-87 of 4,203 feet was due to a correction made in the classification of this portion, which has been brought under its proper head "Tuccavee," and not to any actual diminution in length. The excess in the cost of maintenance during 1886-87, Rs. 76,904, was chiefly due to special flood repairs and construction of retired lines. The figures noted above include the embankments, measuring in length 437 miles and 3,302 feet, kept up for the protection of the Burdwan Raj Estate, and their cost of maintenance amounted during 1886-87 to Rs. 1,31,164, against Rs. 80,210 of the year previous, the annual amount received from the Maharajah for maintenance being Rs. 53,742.

5. The tuccavee embankments under contract are the Gunduck embankments in the districts of Sarun, Chumparun, and Tirhoot, and the zemindari embankments in the Midnapore district, situated on the Cossye and the Kaliaghye rivers. There was no variation in the length of the Gunduck embankments, which remained the same as before, viz., 236 miles and 4,622 feet. But the length of these embankments in the Midnapore district (242 miles and 184 feet) is now correctly given. The total length of these embankments, 478 miles and 4,806 feet, was maintained in good order.

6. The average mileage rate for maintenance of Schedule D Embankments, as shown in the accompanying list, is Rs. 245·47, or Rs. 65·47 more than that of the previous year, an excess chiefly due to the increased expenditure on account of repairs of heavy damages from the floods of the previous year. For tuccavee embankments under contract, the average rate is Rs. 156, or Rs. 10 below that for last year.

By order of the Lieutenant-Governor of Bengal,

C. W. I. HARRISON, *Lieut.-Col.*, R.E.,
Offg. Joint-Secy. to the Govt. of Bengal, P. W. Dept.

List of Embankments in Bengal, the property of Government and in charge of Government Officers, showing the length and cost of maintenance during the year 1886-87.

Name of Civil Division.	District.	Miles of Embankments. D Schedule.		Tuccavi. Under contract.		Tuccavi. Not under contract.		Tuccavi. Total.		Total miles of embankments.		Cost of maintenance of D Schedule embankments. Total.	Rate per mile.	Cost of maintenance of Tuccavi embankments under contract. Total.	Rate per mile.	Amount payable under contract.	Remarks.
		Miles.	Feet.	Mile	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Rs.	Rs.	Rs.	Rs.	Rs.	
Patna	Mozufferpore	......	......	52	420	24	1,030	70	1,450	70	1,450	......	......	11,796	226·51	10,415	Rupees 9,452 was expended on repairs to the Turki embankment during the year.
	Durbhunga	......	......	......		17	3,960	17	3,960	17	3,960	......	......	......	......	......	Rupees 2,276 was expended on repairs to the Bazitpur embankment during the year.
	Sarun	......	......	119	4,222	......	......	119	4,222	119	4,222	......	......	29,181	168·45	23,900	
	Chumparun	......	......	65	......	......	......	65	...	65	...	......	......	9,767	150·26	13,000	
	Gya	......	......	......	......	1	670	1	670	1	670	......	......	......	......	......	Rupees 1,103 was expended on repairs to the Sukree bund during the year.
	Total	......	......	236	4,622	43	400	279	5,022	270	5,022	......	......	41,744	176·22	47,315	
Bhagulpore	Bhagulpore	......	......	......	......	3	2,960	3	2,960	3	2,960	598	......	......	......	......	Rupees 580 was expended on works and repairs to the Chundun embankment at Banka during the year.
	Maldah	2	959	......	......	......	......	......	......	2	959	278	127·42	......	......	......	
	Purneah	......	......	......	......	2	1,315	2	1,315	2	1,315	......	......	......	......	......	Rupees 266 was expended on repairs to the Belwa embankment during the year.
	Monghyr	......	......	......	......	11	1,320	11	1,320	11	1,320	......	......	......	......	......	Rupees 1,635 was expended on repairs to the Monghyr embankment during the year.
	Total	2	959	......	......	17	315	17	315	19	1,274	876	......	......	......	......	
Rajshahye	Rajshahye	7	244	......	......	......	......	......	......	7	244	14,257	2,023·35	......	......	......	
	Bogra	......	......	......	......	......	360	......	360	......	360	......	......	......	......	......	There was no expenditure on the Chota Manika embankment during the year.
	Total	7	244	......	......	......	360	......	360	7	604	14,257	2,023·35	......	......	......	
Presidency	Moorshedabad	93	......	......	......	......	......	......	......	93	......	31,727	333·96	......	......	......	
	Nuddea	......	4,000	......	......	......	......	......	......	......	4,000	......	......	......	......	......	
	24-Pergunnahs	219	2,542	......	......	2	......	2	......	221	2,542	32,108	144·96	......	......	......	Rupees 823 was expended on repairs to the Tolly's Nullah embankment and sluice during the year.
	Total	315	1,262	......	......	2	......	2	......	317	1,262	63,835	202·50	......	......	......	
Burdwan	Burdwan	85	2,470	......	......	......	4,203	......	4,203	86	1,393	16,323	190·98	......	......	......	
	Beerbhoom	3	1,320	......	......	......	......	......	......	3	1,320	......	......	......	......	......	
	Hooghly	164	4,346	......	......	6	......	6	......	170	4,346	44,993	272·97	......	......	......	Rupees 1,318 was expended during the year for filling in breaches in the zemindary embankment on the left bank of Madaria khall.
	Midnapore	606	291	242	184	......	......	242	184	848	475	1,50,374	248·12	32,996	136·32	55,000	
	Total	859	3,147	242	184	6	4,203	248	4,387	1,108	2,254	2,11,690	246·28	32,996	136·32	55,000	
	GRAND TOTAL	1,184	332	478	4,806	68	5,273	547	4,804	1,731	5,136	(a) 2,90,658	245·47	74,740	156·06	1,02,315	

(a) Exclusive of the expenditure on account of repairs to Kutubdia and Gundamara embankments in the Chittagong district, amounting to Rs. 2,618. Also Rs. 3,971 spent by the Collector of Gya on petty repairs.

E. J. H.—Reg. No. 454C—40—12-4-88.

C. W. I. HARRISON, *Lieut.-Col.*, R.E.,

Offg. Joint-Secy. to the Govt. of Bengal,

P. W. Department.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 11th August 1888.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*		
BURDWAN DIVN.	1	Burdwan August 11, '88	0·96	Weather—seasonable. All very fair, though agricultural operations are rather late. Prices stationary.
		Culna ...	0·69	
		Cutwa ...	0·58	
		Ranigunge ...	1·31	
	2	Bankoora „ 11, '88	1·69	Weather—hot for the season and cloudy. Transplantation of *haimanti* rice still proceeding. It has been retarded in places for want of sufficient rain. Young rice plants, *biri kalai*, and sugarcane coming on well. Prices showing a tendency to fall.
	3	Birbhum „ 11, '88	0·84	Weather—hot with occasional showers. In spite of frequent showers the rainfall has been light, and transplantation is accordingly again retarded. Sugarcane also suffering.
		Rampur Haut ...	0·82	
	4	Midnapur „ 11, '88	5·54	Weather—constant showers during the week and at present very overcast. At head-quarters plenty of rain has fallen, but in Contai and Tumlook the supply is still short, and transplanting is said to have been interrupted in the latter sub-division for want of it. In the Ghatal sub-division the crops are generally doing well
	5	Hugli „ 11, '88	1·29	Weather—seasonable. Prospects of crops continue to improve.
		Serampur ...	·91	
		Jehanabad ...	2·02	
		Howrah „ 13, '88	2·92	Weather—seasonable. State and prospects of crops fair. More rain wanted.
		Ooloobería ...	2·48	
		Central Districts.		
PRESIDENCY DIVN.	6	24-Perghs. August 14, '88	3·36	Weather—seasonable. Prospects of crops fair. Transplantation continues.
	7	Nuddea „ 11, '88	1·70	Weather—occasional showers. Prospects of crops good. Transplantation of *amun* going on. Indigo is being manufactured.
		Kushtea ...	0·72	
		Meherpur ...	1·86	
		Chooadanga ...	2·25	
		Ranaghat ...	1·98	
	8	Khoolna „ 11, '88	1·06	Weather—close with occasional showers. State and prospects of crops generally good.
	9	Jessore „ 11, '88	1·60	Weather—hot and cloudy with occasional showers. Prospects of standing crops good, but rain is still wanted in places.
		Jhenidah ...	1·38	
		Magoora ...	0·[illegible]6	
		Narail ...	0·38	
		Bongong ...	1·46	
	10	Moorshedabad „ 11, '88	0·58	Weather—hot with very little rain during the week. *Amun* getting on well *Aus* ripe and being cut, and in some places it is being threshed.
		Lalbagh ...	0·55	
		Kandi ...	0·17	
RAJSHAHYE DIVN.	11	Dinagepur „ 11, '88	0·66	Weather—hot and sultry. Prospects of winter rice still uncertain in the north and south of the district owing to want of rain.
		Thakurgaon ...	0·66	
	12	Rajshahye „ 11, '88	1·54	Weather—days hot, but nights cool. High easterly wind blow yesterday (10th). Transplantation of paddy going on. Prospects of crops improved except in thanahs Tanore, Singra and Manda. More rain wanted. Harvesting of *aus* and jute going on.
		Nattore ...	0·50	
		Nowgong ...	0·22	
	13	Rungpur „ 11, '88	0·45	Rain urgently wanted for transplantation of *amun*. Jute also suffering from the unseasonably dry weather.
		Nilphamari ...	0·53	
		Kurigram ...	Nil	
	14	Bogra „ 11, '88	0·20	Weather—very warm. Transplantation of *amun* being delayed in places for want of rain. Outturn of *aus* crop expected to be 8 annas. Common rice selling at 22 seers per rupee.
		Sherpur ...	0·13	
		Naukhila ...	0·10	
	15	Pubna „ 11, '88	2·96	Weather—cloudy and showery. Prospects of crops continue good.
		Serajgunge ...	0·42	
	16	Darjeeling „ 11, '88	2·25	Weather—very fine for the time of year. Prospects of crops good. Indian-corn and potatoes are being harvested. Paddy and jute promise well. Prices stationary, except of Indian-corn, for which there is great demand. Some cases of cattle disease in Terai.
	17	Julpigoree „ 11, '88	1·00	Weather—cloudy and hot. More rain wanted for transplantation of *haimanti* paddy all over the district, especially in the Alipore sub-division, where seedlings are said to be dying for continued want of rain. Harvesting of *aus* going on.
		Eastern Districts.		
DACCA DIVN.	18	Dacca August 11, '88	0·55	Weather—hot and fine. *Aus* paddy and jute are being harvested. *Amun dhan* thriving. Prospects good.
		Manickgunge ...	0·25	
		Munshigunge ...	0·22	
		Narainguuge ...	0·65	
	19	Furreedpur „ 11, '88	0·74	Weather—seasonable. Prospects of crops good.
		Goalundo ...	0·80	
		Madaripur ...	1·02	
	20	Backergunge „ 9, '88	0·65	Weather—seasonable. Propects of crops fair, but some damage has been done by insects to both *aus* and *amun* crops.
	21	Mymensingh „ 10, '88	0·78	Weather—hot with occasional showers. Prospects of crops good.
		Jamalpur ...	1·69	
		Kishoregunge ...	2·72	
		Attia ...	Nil	
		Netrokona ...	1·29	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
	BENGAL—*concluded.*		
	Eastern Districts—concld.		
	CHITTAGONG DIVN.		
22	Chittagong August 14, '88	6·65	Weather—seasonable. *Amun* being transplanted. Prospects of crops fair. Prices stationery.
23	Noakholly „ 10, '88	1·40	Weather—seasonable. Harvesting of *aus* continues. Transplantation of *amun* progressing. Prospects very fair.
	Fenny ...	0·46	
24	Tipperah „ 9, '88	1·06	Weather—seasonable; somewhat drier than usual at this time of the year. The outturn of jute is contracted; the standing crops of rice are flourishing.
	Brahmanbarish .	2·16	
	Chandpur ...	0·91	
25	Chittagong Hill Tracts. „ 7, '88	0·80	Weather—fickle in the extreme with occasional heavy falls of rain throughout the week. Transplanting in low lands by plough cultivators continues. *Jum* paddy progressing, but more rain is said to be wanted.
	Hill Tipperah „ 9, '88	1·08	Weather—hot. Transplantation of *amun* paddy continues. *Shalya* paddy is still being gathered. Prospects of *jum* crops fair.
	BEHAR.		
	PATNA DIVN.		
26	Patna „ 11, '88	0·91	Weather—hot and cloudy. Prospects of *bhadoi* crops good. Transplantation of paddy going on. Sugarcane promises well. In the Barh sub-division want of fodder is being felt in some places. Prices of food-grains stationary.
	Behar ...	1·55	
	Barh ...	0·40	
27	Gya „ 11, '88	0·53	Weather—hot. Paddy is being transplanted in places where there is water enough in the reservoirs and water channels. *Bhadoi* doing well. Heavy rain urgently wanted for transplantation of paddy.
28	Shahabad „ 11, '88	0·20	Weather—hot, clear and cloudy at intervals. Transplantation of paddy progressing, but more rain is badly wanted, and if none falls within a week the consequence will be serious. *Bhadoi* crops doing well. Prices stationary.
	Buxar ...	0·05	
	Sasseram ...	0·63	
	Bhabuah ...	0·78	
29	Durbhunga „ 11, '88	0·37	Weather—close. Prospects of *bhadoi* continue favourable. Rain urgently wanted for transplantation of rice. Indigo manufacture in progress. Slight rise in prices.
30	Mozufferpur „ 11, '88	0·05	Weather—hot and clear with occasional clouds. Rain urgently wanted for transplantation of paddy. Prospects of standing crops fair. Maize coming into ear.
	Hajipur ...	2·00	
	Sitamarhi ...	Nil.	
31	Sarun „ 11, '88	0·62	Weather—hot and occasionally cloudy. Prospects of *bhadoi* continue favourable. More rain wanted for transplantation of paddy. Indigo manufacture going on.
	Sewan ...	1·05	
32	Chumparun „ 11, '88	0·07	Weather—hot; often cloudy. Transplantation of paddy coming to a close. Prospects of both *bhadoi* and *aghani* good.
	Bettiah ...	1·55	
	BHAGULPORE DIVN.		
33	Monghyr „ 11, '88	0·42	Weather—fair, hot and close throughout the week. Paddy transplantation going on. All other crops on the ground doing well.
	Beguserai ...	0·27	
	Jamui ...	1·18	
34	Bhagulpur „ 11, '88	0·46	Weather—seasonable. Prospects of crops generally good.
	Banka ...	1·46	
	Mudehpura ...	Nil	
	Soopole ...	·35	
35	Purneah „ 11, '88	0·40	Weather—bright with light showers. *Bhadoi* and jute being cut. *Aghani* being transplanted.
	Kishengunge ...	49	
36	Maldah „ 11, '88	0·37	Weather—cloudy with a few light showers. Outturn of *bhadoi* expected to be between 8 and 10 annas. Rain much wanted for sowing and transplanting winter rice.
	Chanchal ...	1·37	
	Shibgunge ...	1·44	
37	Sonthal Perghs. „ 11, '88	1·65	Weather—hot with partial thunder showers. Prospects on the whole favourable. Indian-corn doing well except in Deoghur. More rain wanted in Rajmehal. Transplantation of rice goes on.
	Deoghur ...	0·51	
	Godda ...	0·90	
	Pakour ...	1·29	
	Rajmehal ...	0·33	
	Jamtara ...	1·68	
	ORISSA.		
	ORISSA DIVN.		
38	Cuttack „ 10, '88	3·15	Weather—seasonable. *Beali* and *sarad* rice being weeded and transplanted. In Jajpur there was sufficient rain during the week. Common rice sells at 17 seers 1 chittack per rupee in town.
39	Pooree „ 9, '88	5·36	Weather—hot and rainy towards the close of the week. Late rain has done good to the crops in general, and has admitted of the puddling and transplantation of the winter (*sarad*) crop. Early rice (*beali*) and *mandia* are thriving well. More rain is wanted all over the district. Average price of common rice 18 seers 3 chittacks per rupee in the Sudder sub-division and 17 seers 2 chittacks in the Khoordah sub-division.
	Khoordah .	2·57	
40	Balasore „ 10, '88	7·78	Weather—seasonable. Puddling and transplantation of rice seedlings in active progress. Other crops doing well.
	CHOTA NAGPORE.		
	South-West Frontier Agency.		
	CHOTA NAGPORE DIVN.		
41	Hazaribagh August 10, '88	1·32	Weather—seasonable, sunshine and rain alternating. All crops doing well. Transplanting about half completed. Prospects continue favourable.
42	Lohardugga ...	......	Report not received.
43	Singbhoom „ 10, '88	2·64	Weather—seasonable. Winter rice and *til* being planted out. Other crops reported on favourably on the whole. In one or two places only has the *gora dhan* suffered to any extent.
44	Manbhoom „ 11, '88	2·16	Weather—cool and seasonable. Prospects of autumn crops good. Transplanting of rice well advanced.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 14th August 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of

Meteorological Division.	District.	Representative stations.	STATION OBSERVATIONS. — Air Pressure. — Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Temperature. — Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Humidity. — Mean, 10 A.M., humidity.	Variation from normal mean.	Cloud. — Mean cloud amount, 10 A.M.	Variation from normal mean, 10 A.M.	Rainfall.
Orissa.	Pooree	Pooree	29'677	29'492	29'593	29'605	—	89'7	75'6	86'8	80'2	83'5	—	87	—	6'7		3'17
		Gopalpore	29'645	29'453	29'574	29'624	+'008	89'7	76'8	86'5	81'1	83 8	+1'0	79	—	5'9	—1'0	5'12
		False Point	29'682	29'493	29 580	29'610	—'014	93'5	74'1	87 6	78'5	83'1	—0'1	78	—8	9'3	+1'4	15'00
	Cuttack	Cuttack	29'627	29'417	29'524	29'605	—'008	96'9	77'3	91'3	79'1	85'2	+1'1	70	—11	8'2	+0'6	5'02
	Balasore	Balasore	29 636	29'438	29'535	29'593	—'007	96'4	74'8	90 2	78'3	84 3	+1'6	81	—	6'7		8'64
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island	29 668	29 480	29'573	29 599	—'011	93'2	77'5	88'9	80'8	84'9	+1'1	84	—2	9'1	+1'2	9'53
	Midnapore	Midnapore	29'513	29'333	29'455	29 694	+'008	94 8	74'8	89'9	78'1	84'0	+1'2	70	—	5'1		21'30
	24-Pergunnahs, Howrah and Hooghly.	Calcutta	29'650	29'462	29'506	29'587	—'021	92'5	76 2	88 2	78 3	83 2	—0'1	82	—5	9'1	+1'0	12'21
	Burdwan	Burdwan	29 555	29'383	29'477	29'576	—'023	94'6	71'4	91'0	78'9	85 0	+0'2	70	—4	8'0	+0'3	13'73
	Bankoora	Bankoora	29'553	29'172	29'275		+'009	95'1	75 1	89 9	77 9	83'5	+0'1	81	—	7'5		14'80
	West Burdwan and Beerbhoom.	Ranigunj	29'539	29 174	29'248	29 553	—'003	93 5	75 9	85'4	78'4	83 9	—0'2	83	—	8 2		23'11
	Moorshedabad	Berhampore	29'606	29 410	29'518	29'585	—'017	92 7	75 8	81 0	78'4	83 7	-1'2	86	—1	0'4	+0'6	11'34
	Nuddea	Krishnagore	29'6 1	29'437	29 540	29'606	+'006	94'8	75 8	85'8	78'1	84 0	+0'1	81	—	8'2		21'00
	Jessore and Khoolna	Jessore	29'460	29 414	29'571	29'605	—'010	93 8	76 4	89'5	79'2	84'4	+0'3	86	—1	9'0	+0'6	20'60
East Bengal.	Chittagong	Chittagong	29'681	29'452	29'558	29'676	—'004	89'1	75 0	83 9	76 2	80'1	—1'3	80	+2	7'9	+0'4	27'13
	Chittagong Hill Tracts	Demagri																
	Backergunj	Barrisal	29'721	29'495	29'614	29'626	+'014	90'3	75'9	86'5	78'2	82'4	+0 8	80	-	8'7		21'29
	Noakholly	Noakholly	29'678	29'484	29'608	29'652	—'005	87'3	76 3	84'7	77'3	81'0	—0'5	86	—	0 0		32'94
	Furreedpore	Furreedpore	29'632	29'458	29'586	29'625	+'004	91'0	75 9	86'9	78'5	82 7	—0'1	87	-	5'8		16'57
	Dacca	Dacca	29'683	29'459	29 595	29'617	—'002	91'1	75 1	87 0	78'9	83 3	—0'4	87	0	8'2	+0'3	16'44
	Commillah	Commillah	29 688	29'475	29'602	29'638	—'001	91'1	?	85 4	?	?	?	86	—	6'4		15'37
	Mymensingh	Mymensingh	29'657	29'449	29 572	29'629	—'001	91'3	76'5	87 4	78 2	82'8	- 0'1	86	—	8'1		10'33
North Bengal.	Bogra	Bogra	29 6 1	29'413	29'528	29'591	—	92 3	76 3	88'6	78'1	83'4	—0 2	82	—	8'7		7'40
	Pubna	Serajgunj	29 647	29'439	29'560	29'606	—'011	93'6	76 2	87 9	78 5	83 2	—0'2	86	—	7'2		9'43
	Rajshahye	Rampore Beauleah.	29'603	29 418	29'521	29'591	+'011	92'3	76'4	89'1	78 0	84'5	—0'2	84	—	6'2		7'30
	Maldah	Maldah	29'611	29'400	29 504	-	—	94'4	77 3	91'7	79'1	85'1		83	—	5'7		14'72
	Dinagepore	Dinagepore	29 573	29'363	29'483	29'603	+'009	92'6	76 0	88 7	78'9	83 8	—0'6	83	—	7'8		16'85
	Rungpore	Rungpore	29'585	29'377	29'491	29 615	—'029	94'3	76 2	89 9	78 4	84'2	+0 1	83	—	3'3		7'08
	Julpigoree and Cooch Behar.	Julpigoree	29'4.8	29 226	29'312	29 6.9	+'014	92 0	68 8	88'0	74'5	81'5	—1'7	87	—	3'4		33'43
	Darjeeling Hill Tracts	Darjeeling	23'000	22'844	22'914	—	+'024	69 6	56'1	65'9	57'6	61'8	—0'5	95	0	9'5	+0'8	40'19
North Behar.	Purneah and North Bhagulpore.	Purneah	29'553	29'368	29'469	29'505	—'009	92'2	73'6	83 3	75'7	82'5	—2 3	85	0	4'7	—2'5	17'11
	Mozufferpore	Mozufferpore																
	Durbhunga	Durbhunga	29'516	29'322	29'419	29'585	—'008	92'4	77'8	89'9	80'3	85'1	+0'6	82	—1	7'2	+0'9	14'62
	Chumparun	Motihari	29'485	29'206	29 347	29'573	—'008	94'2	71'8	90 2	78'5	84'4	+0'1	79	—	8'0		11'48
	Sarun	Chupra	29'456	29'282	29 370	29 563	—'007	91 0	76'1	86'1	78 9	82'5	—3'2	82	—	7'1		15'43
South Behar.	Shahabad	Dehree	29'282	29'109	29'198	29 550	—'021	94'3	76'0	89'3	78'8	84'1	+0'9	82	—	5'7		15'80
		Buxar	29 402	29'235	29'315	29 550	—'013	92'9	74 8	88'1	78'6	83 4	—1'0	81	—	8'8		13'09
		Arrah	29'453	29'279	29'364	29'560	—'001	94'4	76'6	89'4	79'0	84 2	—0 8	84	-	8'0		15'01
	Gya	Gya	29'247	29'093	29'177	29'551	—'042	99'5	75'8	90 4	78'2	84 2	—0'9	74	—5	8'1	—0'3	10'45
	Patna	Bankipore	29'477	29 297	29'387	29 570	—'0.6	94'4	76 7	89 4	79'2	84'3	—1'4	83	+2	9'6	+1'6	16'44
	South Bhagulpore and Monghyr.	Bhagulpore	29'503	29'319	29'412	29'574	+'004	93'4	77'0	89'4	78'8	84'1	—0'4	81	—	4'6		23'08
	Sonthal Pergunnahs	Naya Doomka	29'157	28'984	29 074	—	—	91'8	75'5	88'5	77'5	83'1	—	82	—	5'6		12'31
Chutia Nagpur.	Hazaribagh	Hazaribagh	27'665	27'523	27'593	29'585	—'004	90'0	71'7	83'8	73'5	78 6	—0'7	85	0	10'0	+1'0	19'44
	Lohardugga / Manbhoom	Ranchee	27'540	27'400	27'471	29'575	—'010	88'0	70'9	83'5	72'6	78'1	—0'2	82	—	9'2		17'27
	Singbhoom	Chyebassa	28'880	28'709	28'810	—	'005	93'4	78'7	89'6	77'6	83'6	+0'5	75	—	8'6		11'04
Assam	Assam	Sibsagar	29'434	29'242	29'349	29'682	—'006	95'6	76 5	89'8	78'0	83'9	—0'5	90	+7	9'3	+0'6	17.77
		Dhubri	29 607	29'386	29'517	29'634	+'001	90'7	75'8	85'7	77'7	81'[illegible]	—2'7	87	+2	7'7	+1'2	10'75
		Silchar	29'661	29'428	29'562	29'666	—'025	96'6	75'3	90'6	77'4	84'0	+0'7	79	—6	8'7	+1'0	19'79

Bengal for the month of July 1888.

DISTRICT OBSERVATIONS.										Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.												
Of month.					Since 15th May.							
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
8·70	12·08	−3·38	15·5	18·2	13·33	22·32	−8·99	29·5	32·7	Pooree ...	Pooree	ORISSA.
—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
—	—	—	—	—	—	—	—	—	—	False Point ...		
9·47	12·47	−3·00	18·6	17·8	14·45	24·25	−9·80	33·7	34·2	Cuttack ...	Cuttack	
11·62	13·03	−1·41	16·7	17·9	19·51	23·95	−4·44	28·2	34·2	Balasore ...	Balasore	
10·02	15·46	−5·44	17·0	20·1	14·10	27·52	−13·42	28·6	38·3	Saugor Island ...	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
17·25	12·75	+4·50	19·3	17·5	24·69	24·25	+0·44	33·3	33·7	Midnapore ...	Midnapore	
16·35	12·44	+3·91	22·4	21·8	26·19	24·93	+1·26	36·9	42·1	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.	
16·58	10·78	+6·00	21·3	17·9	25·20	22·08	+3·12	36·3	35·7	Burdwan ...	Burdwan	
15·78	13·27	+2·51	20·8	20·4	25·05	25·00	+0·05	35·3	38·6	Bankoora ...	Bankoora	
16·09	12·94	+3·15	23·3	20·8	24·62	24·44	+0·18	37·9	39·5	Ranigunj ...	West Burdwan and Beerbhoom.	
14·29	10·88	+3·41	21·7	18·0	21·86	23·19	−1·33	38·7	37·3	Berhampore ...	Moorshedabad	
17·98	10·24	+7·74	22·0	18·1	24·18	23·46	+0·72	37·0	37·9	Krishnagore ...	Nuddea	
15·55	11·19	+4·36	20·9	20·3	23·31	26·77	−3·46	35·0	42·3	Jessore ...	Jessore and Khoolna ...	
45·55	31·06	+14·49	27·5	25·5	66·01	65·96	+0·05	51·0	53·0	Chittagong ...	Chittagong	EAST BENGAL.
12·56	17·62	−5·06	27·0	24·5	26·03	41·83	−15·80	50·5	53·1	Demagri ...	Chittagong Hill Tracts	
22·78	17·98	+4·80	26·8	25·2	31·37	41·26	−9·89	40·4	51·9	Barrisal .	Backergunj	
34·78	23·27	+11·51	26·5	24·7	49·05	55·34	−6·29	50·0	51·1	Noakholly ...	Noakholly	
15·31	11·90	+3·41	19·7	20·2	26·72	28·78	−2·06	34·0	43·5	Furreedpore ...	Furreedpore	
18·94	13·74	+5·20	22·3	20·8	33·07	30·63	+2·44	41·8	45·4	Dacca ...	Dacca	
12·40	13·71	−1·31	19·5	21·8	31·03	34·80	−3·77	40·3	47·4	Commillah ...	Commillah	
12·21	12·70	−0·49	23·8	19·7	39·03	34·21	+1·82	49·4	44·2	Mymensingh ..	Mymensingh	
9·75	12·75	−3·00	19·3	17·5	24·78	29·95	−5·17	38·8	38·7	Bogra ...	Bogra	NORTH BENGAL.
12·67	10·57	+2·10	24·0	18·1	25·09	25·52	−0·43	47·0	40·1	Serajgunj ...	Pubna	
13·08	11·77	+1·31	24·0	17·5	19·79	25·06	−5·27	40·5	36·1	Rampore Beauleah.	Rajshahye	
11·92	11·99	−0·07	25·0	20·8	15·83	26·68	−10·85	37·5	40·2	Maldah ...	Maldah	
14·04	12·25	+1·79	22·8	18·9	26·81	30·25	−3·44	36·6	38·1	Dinagepore ...	Dinagepore	
9·76	13·99	−4·23	16·0	15·5	36·17	42·69	−6·52	44·8	39·4	Rungpore ...	Rungpore	
22·61	19·87	+2·74	21·4	20·6	59·74	60·04	−0·30	52·2	51·1	Julpigoree ...	Julpigoree and Cooch Behar.	
35·56	31·19	+4·37	28·0	25·5	60·96	67·03	−6·07	62·8	57·2	Darjeeling ...	Darjeeling Hill Tracts ..	
18·82	13·76	+5·06	22·6	17·9	29·79	28·31	+1·48	35·8	33·2	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
17·23	11·42	+5·81	18·0	14·7	24·31	20·20	+4·11	27·7	25·7	Mozufferpore ...	Mozufferpore	
14·55	11·59	+2·96	19·7	14·3	23·37	20·99	+2·38	31·1	26·2	Durbhunga ...	Durbhunga	
15·23	11·57	+3·66	17·5	13·3	24·92	21·11	+3·81	31·5	25·1	Motihari ...	Chumparun	
12·63	12·31	+0·32	19·0	16·0	16·72	19·89	−3·17	27·3	26·4	Chupra ...	Sarun	
14·69	11·31	+3·38	19·6	17·1	16·92	17·22	−0·30	25·0	27·2	Dehree ... Buxar ... Arrah ...	Shahabad	SOUTH BEHAR.
14·77	12·23	+2·54	18·5	16·0	17·59	19·12	−1·53	24·8	26·2	Gya ...	Gya	
18·78	11·95	+6·83	20·8	17·0	22·26	19·62	+2·64	27·3	28·1	Bankipore ...	Patna	
17·66	11·60	+6·06	23·6	18·2	21·86	20·16	+1·70	32·0	31·0	Bhagulpore ...	South Bhagulpore and Monghyr.	
15·56	12·86	+2·70	25·3	19·6	22·01	24·24	−2·23	38·1	36·1	Naya Doomka...	Sonthal Pergunnahs ...	
17·62	13·50	+4·12	26·4	21·2	19.82	23·57	−3·75	34·4	37·1	Hazaribagh ...	Hazaribagh	CHUTIA NAGPUR.
18·00	12·86	+5·14	24·8	21·7	22·14	22·65	−0·51	34·9	38·3	Ranchee	Lohardugga	
15·58	12·07	+3·51	25·5	21·4	19·96	21·81	−1·85	41·0	39·4		Manbhoom	
12·06	14·27	−2·21	19·0	21·7	17·17	25·14	−7·97	35·0	42·4	Chyebassa ...	Singbhoom	
......	......	......	......	......	......	......	......	......	......	Sibsagar... ...	Assam ..	ASSAM.
......	......	......	......	......	......	......	......	......	......	Dhubri		
	......	......	......	......	......	......	......	......	......	Silchar		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Pooree ...	0·23	...	...	...	...	...	...	...	...	...	...	0·12	0·39	...	...	0·20	...	1·22	0·31	0·36
		Khurdah ...	0·11	...	...	0·10	...	0·15	...	0·87	0·06	...	...	0·01	0·87	0·17	0·57	...	0·06	1·20	0·26	0·15
		Banpur ...	0·14	...	...	..	0·10	1·00	...	0·25	...	...	...	1·30	0·80	...	..	..	0·50	0·70	0·15	0·20
		False Point ...	0·55	0·04	...	...	...	0·01	...	..	...	...	...	0·09	0·51	0·07	0·15	3·77	2·42	3·63	0·45	0·45
		Gop ...	0·00	...	...	...	...	0·20	...	..	...	...	...	0·30	0·29	...	...	...	1·40	2·48	0·40	0·23
		Pipli ...	0·18	...	...	...	...	0·80	...	0·31	...	...	0·00	...	0·47	...	...	...	...	3·50	...	0·20
	Cuttack ...	Jagatsingpore	0·30	...	...	..	..	0·90	..	1·01	...	...	...	0·20	0·42	0·05	0·04	...	2·00	4·20	0·40	...
		Banki ...	0·54	0·01	...	0·21	1·91	0·72	0·04	1·18	...	...	...	0·25	1·12	0·29	0·11	...	0·06	1·22	0·24	0·35
		Cuttack ...	0·83	...	...	..	...	0·87	...	0·29	...	...	...	0·32	0·25	0·04	0·17	..	0·05	4·22	0·42	0·60
		Kendrapara ..	0·69	..	0·05	0·06	...	...	0·01	0·19	...	...	...	..	0·19	0·03	...	0·09	0·23	0·84	0·44	0·50
		Jajpore ...	1·10	0·12	...	...	...	...	...	0·43	..	0·34	...	0·04	0·32	..	0·19	0·04	0·83	0·28	0·47	0·90
		Dharmsalla ...	0·40	0·40	...	...	...	..	...	..	0·70	0·05	...	.	0·70	0·40	...	4·00	0·84	1·50	...	...
		Salipore ...	0·58	...	0·20	...	...	0·70	...	0·06	...	...	...	0·10	0·42	...	...	..	0·10	2·50	0·80	0·30
	Balasore ...	Chandbali ...	1·20	0·30	...	...	..	...	...	...	..	...	0·20	...	0·10	..	0·40	0·85	...	1·20	...	2·00
		Bhuddruck ...	0·37	0·09	0·12	...	0·36	...	...	..	...	0·18	...	0·13	0·35	0·07	0·06	0·03	1·96	2·17	1·00	0·85
		Sorah ...	..	0·21	...	...	...	..	...	...	0·29	...	...	..	0·09	0·34	1·05	..	0·17	2·00	1·72	0·63
		Balasore ...	0·25	0·23	...	.	0·68	1·08	...	...	...	...	...	0·20	0·25	0·31	...	...	0·18	0·46	1·15	0·71
		Jellasore ...	1·20	0·18	...	0·80	...	0·30	...	0·30	...	...	...	0·22	0·60	0·25	..	...	...	3·00	...	2·45
		Baripodah ...	1·02	...	...	0·65	2·95	...	...	...	...	...	0·09	0·08	0·53	0·05	0·06	...	0·42	0·55	2·24	0·24
SOUTH WEST BENGAL.	Midnapore ...	Contai ..	0·24	1·05	...	...	...	0·03	...	0·04	0·11	...	...	0·05	0·16	0·17	0·26	0·15	0·12	...	1·25	...
		Saugor Island	0·48	0·76	...	...	...	0·10	0·00	...	0·21	...	0·24	0·07	0·13	0·49	...	...	0·02	...	1·17	0·02
		Tumlook ...	1·10	1·50	0·30	...	..	...	...	...	..	0·60	.	...	1·20	..	1·10	...	..	1·50	0·50	2·50
		Midnapore ...	3·12	1·58	0·44	0·73	..	0·33	0·31		0·05	0·63	0·08	...	1·05	0·48	0·03	..	0·17	1·40	0·89	1·25
		Ghatal ...	1·31	1·41	0·29	...	1·16	0·05	...	0·01	0·11	..	..	...	0·39	0·34	0·19	...	0·02	...	1·68	0·60
		Kukrahaty ...	0·61	1·57	0·06	...	...	0·25	0·28	0·62	0·23	..	0·21	...	0·29	0·56	0·64	...	..	0·19	0·92	2·43
		Heria ...	0·76	0·98	...	...	...	0·15	...	0·28	0·12	...	0·43	...	0·09	0·38	0·23	...	1·05	1·29	0·81	0·13
		Bhagwanpore	0·31	2·05	..	...	..	...	...	...	..	...	...	...	0·39	0·79	1·41	..	0·34	...	0·53	.
		Garbeta ...	5·40	2·28	0·32	0·17	0·92	0·68	...	...	0·44	...	...	...	0·29	0·60	...	0·22	...	0·50	1·43	0·58
	24-Pergunnahs	Diamond Harbour.	...	1·75	...	...	...	0·21	0·17	...	0·26	...	...	..	0·06	0·51	...	...	...	...	0·23	1·41
		Canning Town	1·85	0·17	0·73	0·14	0·23	0·77	0·65	1·32	0·57	0·04	...	0·03	0·07	0·39	0·24	0·03		1·39	0·09	0·80
		Alipore Jail ...	0·31	0·91	1·07	0·08	1·16	0·08	0·42	..	0·82	0·23	0·03	...	0·32	0·36	0·05	0·05	0·32	0·09	0·40	1·02
		Barrackpore...	1·20	1·75	1·00	0·24	0·41	0·12	1·12	0·05	0·27	0·25	0·07	...	0·30	0·71	0·17		..	...	0·25	1·36
		Dum-Dum ...	0·42	2·16	1·04	0·11	0·18	0·14	0·06	...	0·45	0·22	0·15	...	0·36	0·24	0·21	0·06	0·14	...	0·39	0·34
		Baraset ...	2·25	1·95	1·18	0·31	0·19	0·59	2·05	...	0·29	0·04	0·06	...	0·35	0·22	0·28	...	0·18	...	0·29	1·22
		Buseerhat ..	0·69	1·50	0·70	0·02	0·07	0·03	0·13	...	2·63	0·42	0·19	...	0·28	0·12	0·39	...	..	..	0·22	1·40
	Howrah ...	Howrah ...	0·33	1·58	0·69	0·07	0·75	0·03	0·06	0·02	0·69	0·02	0·16	0·11	0·50	0·10	0·22	...	0·20	0·12	1·06	1·52
		Mohesreka ... (*Oolooberiah*).	1·61	1·67	0·87	1·21	0·26	...	...	..	0·49	...	0·16	...	0·69	0·58	0·05	...	...	0·12	0·40	0·34
	Hooghly ...	Serampore ...	1·32	1·80	0·52	0·26	0·36	..	0·58	...	0·32	0·28	0·20	..	0·53	0·52	0·08	..	0·69	...	0·90	1·19
		Hooghly ..	2·87	2·24	.	0·59	0·55	0·20	2·28	...	0·27	0·35	0·05	0·63	0·08	0·19	0·62	..	0·20	...	0·30	0·22
		Jehanabad ...	2·20	3·27	0·24	...	1·05	0·62	..	1·14	0·10	0·02	..	...	0·73	0·30	..	...	..	0·10	0·60	0·27
	Burdwan ...	Culna .	2·83	2·79	0·06	...	0·06	...	1·35	...	0·41	0·20	0·10	0·10	..	0·40	0·23	...	0·15	...	0·30	0·24
		Burdwan ...	4·15	1·51	0·16	...	1·67	..	...	...	0·07	0·12	0·13	0·15	0·52	0·06	0·33	...	...	...	0·23	0·66
		Cutwa ...	1·18	1·42	1·19	...	1·65	0·30	0·27		0·47	0·06	...	..	0·14	0·08	0·10	...	0·11	0·07	0·11	0·35
		Raneegunge ..	1·26	3·33	2·70	..	0·13	0·82	0·01	0·01	0·02	..	0·11	0·03	1·73	0·20	0·09	...	...	0·47	0·08	0·9[illegible]
		Mankur ...	3·71	4·90	0·13	...	0·71	1·12	0·13	0·53	...	0·22	0·32	..	0·27	...	0·53	...	...	0·78	...	1·31
	Bankoora ...	Bankoora ...	1·75	1·80	0·50	.	0·07	0·09	0·07	...	...	...	0·09	..	0·07	0·50	0·05	...	0·35	1·40	0·80	0·[illegible]
		Bishenpore ...	0·67	0·81	1·34	0·11	1·59	0·48	..	...	2·70	...	...	0·09	0·03	0·62	..	..	0·34	0·62	0·70	0·30
		Maliara ..	1·34	3·21	1·18	..	0·45	0·42	0·21	...	0·37	...	...	0·25	0·74	0·21	..	...	..	0·07	0·10	0·3[illegible]
		Khatra ...	2·44	2·62	0·06	0·31	0·24	0·82	0·55	...	0·06	..	..	0·50	0·14	0·85	...	...	0·61	0·15	0·61	0·6
		Indas ...	1·29	4·00	0·32	0·15	0·20	0·03	1·10	...	0·05	0·04	0·25	...	0·20	0·21	...	...	...	...	...	0·7
		Kotalpore ...	2·34	1·40	...	...	0·24	0·34	..	..	0·40	...	..	...	0·28	0·20	0·3[illegible]	..	..	..	0·70	0·1
		Anda ...	2·72	0·45	.	...	0·40	0·30	0·20	0·20	0·84	...	0·30	..	.	0·50	...	..	0·06	0·80	1·30	0·1
		Gangajalghati	0·75	3·88	1·32	...	0·71		0·57	...	0·33	...	.	0·19	0·16	0·43	..	...	...	0·91	1·07	0·4
		Raipore ...	1·12	2·90	..	0·15	1·95	0·25	...	...	.	...	0·35	...	0·25	0·79	0·38	...	0·75	...	0·25	0·4
		Sonamukhi ...	1·53	2·30	0·11	...	1·50	0·32	2·42	...	0·35	...	...	...	0·56	0·03	0·18	...	...	0·33	0·34	0·4
	Beerbhoom ...	Bh. Soory ...	1·05	1·03	0·31	0·01	0·08	0·04	0·09	0·02	1·38	0·03	0·16	...	0·17	0·09	0·30	...	0·01	...	0·79	0·7
		Hetampore ..	0·14	0·79	0·28	...	1·71	0·15	0·15	.	0·16	...	..	0·13	0·32	0·28	...	...	...	0·19	0·22	1·[illegible]
		Rampore Haut	0·83	1·15	0·28	...	0·41	...	...	0·77	0·39	0·32	0·12	...	0·15	0·12	...	..	...	...	..	0·1
		Bolpur ...	1·49	2·07	...	...	0·53	0·12	...	0·21	0·12	..	..	...	0·07	0·14	0·18	...	...	...	0·22	0·8
		Murarai ...	0·80	0·30	0·56	...	1·00	0·44	...	1·00	...	0·10	0·19	..	0·56	.	0·19	3·00	...	...	...	0·2
	Nuddea ...	Ranaghat ...	2·40	3·54	0·32	0·10	..	...	0·03	0·86	0·22	0·09	0·08	0·58	0·80	0·17	0·10	...	0·26	...	...	0·0
		Kishnaghur ...	1·59	1·53	...	0·01	0·62	...	...	0·21	0·08	0·13	0·11	0·17	0·03	0·11		...	0·01	...	0·12	0·3
		Choodanga ..	0·39	2·00	0·12	0·25	..	1·12	...	..	0·70	0·03	0·32	...	..	..	0·13	0·40	...	...	.	0·4
		Meherpore ...	2·26	1·52	0·12	0·60	0·50	0·03	...	...	..	...	...	0·21	0·34	0·20	0·10	0·33	0·02	...	0·16	0·1
		Kooshtea ..	2·22	0·87	0·94	1·03	...	0·52	0·08	...	0·77	...	...	...	0·12	0·21	0·08	...	...	...	...	0·2
	Khoolna ...	Satkhira ...	...	0·36	0·60	1·00	0·05	0·02	1·70	0·37	2·71	0·70	0·02	...	0·18	0·07	0·28	0·10	0·42	0·02	0·10	0·[illegible]
		Bagirhat ...	0·50		1·02	0·75	0·50	2·70	..	0·32	0·20	0·35	..	...	0·44	...	1·47	...	...	...	0·91	0·[illegible]
		Khoolna ...	...	1·35	2·07	0·02	0·75	0·97	0·04	...	2·06	0·06	0·11	...	0·26	0·13	...	0·12	...	...	0·19	0·[illegible]
	Jessore ...	Narail ...	0·15	1·07	0·17	0·16	0·44	0·69	1·11	...	0·13	...	0·02	...	0·17	0·16	0·06	...	...	...	...	0·[illegible]
		Jessore ...	0·04	1·89	1·51	2·45	0·17	0·23	0·11	...	0·31	0·07	0·19	...	0·08	0·06	0·09	0·14	0·05	...	0·05	0·[illegible]
		Jhenidah ...	2·61	1·04	0·67	..	...	...	...	...	...	0·26	0·17	...	0·22	..	0·55	...	...	...	...	[illegible]
		Magoorah	0·13	1·34	1·11	...	0·04	0·16	...	..	...	0·23	0·04	...	..	0·18	...	0·27	...	...	...	0·[illegible]
		Bongong ...	...	0·95	0·75	0·20	...	..	...	0·27	0·23	0·10	...	...	0·18	...	0·54	...	...	1·55	0·26	0·[illegible]
	Moorshedabad	Kandi ...	3·05	0·46	0·65	..	0·32	0·16	...	0·31	...	1·05	...		0·65	0·33	0·30	...	...	...	...	0·[illegible]
		Berhampore...	..	0·34	0·64	1·61	.	1·42	0·20	...	0·10	...	...	0·11	0·24	0·11	..	0·23	...	...	0·02	0·[illegible]
		Lalbagh ...	0·06	0·78	0·79	0·05	0·41	2·69	0·38	..	0·09	0·08	...	...	0·25	0·24	0·07	0·15	0·03	...	...	0·[illegible]
		Azimgunge ...	1·45	0·45	1·18	0·3[illegible]	0·05	0·22	0·12	0·08	...	0·11	...	...	1·57	0·09	...	0·11	0·02	...	0·01	0·[illegible]
		Jungipore ...	0·50	0·96	0·47	0·01	1·53	0·05	0·31	0·11	0·03	...	...	...	0·37	0·13	0·06	0·03	0·16	...	0·02	0·[illegible]
		Lalgola	0·90	0·45	0·40	..	..	.	1·42	0·65	...	..	...	...	0·75	0·[illegible]6	0·30	...	0·25	...	0·30	
		Akhriganj ..	1·25	0·41	0·28	0·04	0·05	0·46	0·40	...	...	0·22	0·20	...	2·38	0·[illegible]3	0·06	...	1·83	0·48	0·25	0·[illegible]
		Petkahari ...	2·45	1·06	...	0·15	0·25	0·05	...	...	...	...	...	...	0·55	...	...	...	0·60	...	...	0·[illegible]
[illegible]ST BENGAL	Chittagong ...	Cox's Bazar ...	3·93	1·51	2·17	4·72	3·46	3·12	1·52	0·82	1·96	0·02	...	0·09	0·67	0·44	0·72	0·40	...	...	0·91	2·[illegible]
		Chittagong ..	1·73	0·76	0·33	1·96	0·59	0·55	0·39	0·40	1·65	0·16	...	0·40	0·22	0·14	0·23	0·03	...	0·04	...	0[illegible]
		Kutubdia ...	1·17	0·65	0·25	2·50	1·28	1·00	1·11	1·25	1·25	1·28	...	...	0·17	0·11	0·52	1·48	0·16	...	0·34	12·[illegible]
		Salkanya ...	2·15	1·17	0·77	1·30	0·50	0·45	0·75	0·30	0·49	0·03	0·07	1·05	0·08	0·09	0·05	...	...	...	0·75	0·[illegible]
	Chittagong Hill Tracts.	Rangamati ..	0·60	0·04	0·42	0·24	0·62	0·13	0·15	0·30	0·07	0·04	...	0·40	0·21	0·30	0·30	0·05	...	1·35	0·07	0·[illegible]
		Ruma ...	0·33	0·80	0·05	0·45	0·20	0·11	0·25	...	0·20	...	...	1·73	0·15	...	0·40	...	0·30	0·06	0·20	0·[illegible]
	Backergunge...	Patuakhally ...	0·75	1·15	0·70	0·65	0·55	2·47	1·20	0·15	1·38	0·65	0·15	...	0·45	1·12	0·55	...	...	0·06	0·67	1[illegible]
		Ferozepore ...	0·35	1·78	...	0·20	0·55	4·81	0·09	...	0·31	0·25	0·09	...	0·22	0·61	0·28	0·46	...	0·04	0·27	0[illegible]
		Burrisal ...	0·06	2·10	0·96	0·03	...	2·47	0·10	...	0·65	0·51	0·20	...	0·24	0·62	0·47	0·04	...	0·06	0·67	0[illegible]
		Bhola ...	0·67	1·43	0·14	0·18	...	1·19	0·47	0·17	0·13	0·27	...	...	0·18	0·42	0·27	0·42	...	...	0·21	0[illegible]
		Gournaddi ...	1·34	1·19	0·75	0·19	0·77	1·91	...	...	1·25	0·13	...	...	0·13	...	...	...	1·72	...	...	0[illegible]
		Bauphal ...	1·12	3·62	1·13	0·62	0·06	1·56	0·86	...	0·15	1·17	...	...	0·87	0·95	...	...	...	0·19	0·55	2[illegible]
	Noakholly ...	Noakholly ...	3·03	1·39	0·43	0·36	0·24	2·65	0·45	1·29	0·18	0·21	...	0·07	..	1·06	1·62	0·22	...	0·09	0·06	1[illegible]
		Fenny ...	0·83	2·42	0·06	0·08	0·42	1·20	1·65	1·42	0·70	...	...	...	0·05	...	0·20	0·21	...	...	0·15	0[illegible]

in Bengal in July 1888.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st July 1888.	Average rainfall from 1st January up to 31st July 1888.	Station.	District.	Meteorological division.
...	0·02	...	0·21	...	0·15	...	...	...	...	...	10	17·9	3·51	9·91	1·22	12·84	22·91	Pooree ...	Pooree ...	ORISSA.
0·57	0·96	0·30	0·52	...	0·50	...	...	...	...	0·25	19	22·1	7·64	12·55	1·20	13·53	27·46	Khurdah.		
...	0·56	1·86	...	...	...	...	...	...	...	...	12	14·3	6·76	10·59	1·30	12·21	22·50	Banpur.		
...	0·14	0·09	1·79	1·33	0·31	...	...	0·43	...	0·04	19	18·4	16·87	14·15	3·77	26·12	31·51	False Point.		
...	...	...	1·00	0·94	...	...	...	...	0·48	1·26	12	?	9·63	?	2·48		?	*Gop.*		
...	...	0·55	0·75	...	0·50	...	...	...	...	...		?		?			?	*Pipli.*		
...	...	...	0·38	0·25	...	...	...	...	...	0·07	18	13·3	10·22	10·98	4·20	17·97	23·77	Jagatsingpore.	Cuttack.	
0·58	0·07	0·47	0·01	0·01	0·04	...	...	...	0·09	0·11	23	21·4	9·61	12·05	1·91	17·25	20·88	Banki.		
0·25	0·23	0·04	...	0·08	0·09	...	...	...	0·03	0·20	18	22·8	8·88	12·40	4·22	16·60	29·74	Cuttack.		
0·66	0·06	0·05	0·05	0·85	1·48	...	...	0·22	0·04	0·02	21	15·5	6·75	11·79	1·48	17·26	27·35	Kendrapara.		
0·32	...	...	0·08	1·30	0·38	...	...	...	1·24	3·58	18	15·1	11·85	13·19	3·58	20·46	31·74	Jajpore.		
...	...	...	0·40	0·10	...	...	...	1·60	...	3·60	13	?	15·58	?	4·00	21·38	?	*Dharmsalla.*		
...	...	...	...	...	...	...	0·54	0·20	...	...	18	?	6·70	?	2·50	14·80	?	*Salipore.*		
0·20	...	...	...	3·36	0·20	...	0·10	...	0·60	0·15	14	15·2	10·86	11·83	3,36	18·67	27·66	Chandbali ...	Balasore.	
...	...	...	...	1·18	0·32	0·09	...	...	...	1·81	18	16·3	11·14	12·09	2·17	25·63	31·02	Bhuddruck.		
...	...	0·04	...	0·43	...	...	...	...	0·39	0·93	13	16·8	9·14	11·95	2·00	25·29	28·08	Sorah.		
0·15	...	0·44	0·52	0·62	0·30	...	0·04	0·43	0·36	1·76	20	19·0	10·13	11·89	1·76	25·75	33·43	Balasore.		
...	0·33	...	...	2·40	...	...	0·82	0·50	0·50	0·44	16	16·0	14·20	15·10	3·00	30·93	30·59	Jellasore.		
0·96	...	0·06	1·24	0·41	...	...	0·80	0·99	0·16	0·65	20	23·8	14·16	13·05	2·96	28·47	31·50	Baripodah.		
0·09	...	...	1·50	2·37	0·23	...	...	...	1·52	1·61	18	17·2	10·95	14·41	2·37	21·39	33·52	Contai ...	Midnapore ...	
0·05	...	0·04	A.	0·18	1·21	0·15	...	...	1·71	2·40	19	20·7	9·52	15·98	2·40	18·61	35·48	Saugor Island.		
...	...	...	...	1·40	0·50	1·90	...	...	1·00	1·80	14	13·0	16·90	12·25	2·50	29·43	30·92	Tumlook.		
0·14	...	...	0·07	1·35	0·16	...	...	1·80	0·80	5·52	23	20·1	22·34	13·90	5·52	37·04	33·35	Midnapore.		
0·00	...	...	0·09	0·30	0·32	0·47	...	0·16	0·39	3·05	21	19·3	12·52	13·61	3·05	27·06	33·38	Ghatal.		
...	...	...	1·08	1·62	0·49	...	...	0·39	1·13	2·25	20	?	16·16	?	2·43	32·31	?	Kukrahaty.		
0·11	...	...	1·13	2·60	0·25	...	...	...	2·16	1·02	19	?	14·92	?	2·60	27·91	?	*Heria.*		
0·38	...	...	...	1·41	0·49	...	...	...	1·55	1·11	12	?	10·75	?	2·05	24·45	?	*Bhagwanpore.*		
0·08	...	...	0·12	1·35	0·76	0·67	...	2·37	0·18	1·08	21	?	20·44	13·50	5·40	34·07	33·38	*Garbeta.*		
0·06	...	...	0·18	0·39	1·60	...	...	...	0·50	2·28	14	22·3	9·60	14·53	2·28	22·00	29·93	Diamond Harbour.	24-Pergunnahs	SOUTH-WEST BENGAL.
0·48	...	...	...	1·21	0·61	...	...	0·08	0·21	2·61	24	?	14·71	?	2·61	29·90	?	*Canning Town*		
0·12	...	...	0·04	0·38	0·42	...	...	0·11	1·65	1·69	25	23·9	12·13	13·37	1·69	28·90	34·95	Alipore Jail.		
...	...	...	...	2·05	0·65	...	...	0·65	1·79	4·00	21	18·9	18·44	12·40	4·00	35·57	34·13	Barrackpore.		
0·14	...	...	...	2·56	0·12	...	...	0·31	1·24	6·05	23	22·6	17·19	12·18	6·05	34·79	31·80	Dum-Dum.		
0·23	...	...	...	0·69	0·57	...	...	0·28	2·22	2·05	22	20·8	17·50	11·24	2·25	42·02	32·93	Barasat.		
0·32	0·35	...	0·35	0·51	1·53	...	...	0·29	1·85	1·05	23	20·1	16·84	12·82	2·63	35·15	32·26	Buseerhat.		
0·09	...	...	0·08	0·68	0·44	...	...	0·24	1·46	1·65	26	24·2	12·87	12·00	1·65	29·76	35·67	Howrah ...	Howrah.	
0·15	...	...	...	0·47	...	...	...	0·44	0·33	2·68	18	23·2	12·56	13·48	2·68	26·53	34·11	Mohesreka (*Oolooberiah*).		
0·04	...	...	0·18	2·38	0·46	...	...	0·38	2·03	4·91	22	23·7	19·93	13·13	4·91	35·72	32·75	Serampore ...	Hooghly.	
0·02	...	...	0·02	1·27	0·67	0·42	...	0·30	1·48	1·62	24	21·5	16·34	12·22	2·37	36·74	32·66	Hooghly.		
...	0·26	...	...	1·62	0·43	...	0·03	0·05	0·51	6·20	20	19·4	19·74	12·88	6·20	36·23	34·56	Jehanabad.		
...	...	...	0·10	1·89	3·64	...	...	0·35	4·35	0·83	20	14·8	20·38	11·26	4·35	36·36	31·96	Culna ...	Burdwan.	
0·20	...	...	0·02	0·12	1·65	0·08	...	0·30	0·40	1·62	21	21·8	14·13	12·35	4·15	24·86	29·72	Burdwan.		
...	...	...	0·88	1·18	0·58	0·05	0·04	2·97	1·52	0·14	23	17·1	15·24	10·48	2·97	34·88	31·41	Cutwa.		
0·02	0·41	...	0·77	0·22	2·00	0·34	...	1·43	0·11	2·98	25	21·9	20·21	14·06	3·33	34·57	30·15	Raneegunge.		
...	...	...	0·62	0·39	0·92	0·42	0·22	0·65	1·25	0·74	21	?	19·73	?	4·06	29·23	?	*Mankur.*		
0·08	...	...	...	0·11	2·40	...	...	0·40	1·68	0·51	20	21·4	13·54	12·78	2·40	28·81	30·35	Bankoora ...	Bankoora.	
...	...	...	0·05	0·32	1·40	0·52	...	0·14	0·15	2·03	21	18·6	15·07	13·06	2·70	28·78	30·54	Bishenpore.		
...	...	...	1·13	0·10	2·49	0·84	...	1·35	0·25	2·38	20	19·5	17·51	14·37	3·21	30·17	28·81	Maliara.		
0·30	...	...	...	0·70	1·74	0·17	...	0·32	1·13	1·23	22	22·0	17·07	15·38	2·62	30·74	32·18	Khatra.		
0·05	...	...	...	0·60	0·75	0·20	...	0·24	0·35	3·50	20	?	14·26	?	4·00	27·34	?	Indas.		
...	0·07	...	0·23	0·78	1·00	...	...	0·34	0·24	5·93	17	?	14·98	?	5·93	29·85	?	Kotalpore.		
0·16	...	...	...	1·30	1·62	0·26	...	0·50	...	1,20	19	?	13·26	?	2·72	19·43	?	Anda.		
...	...	...	0·67	...	1·74	0·53	...	1·85	0·26	4·77	18	?	20·64	?	4·77	33·35	?	Gangajalghati.		
...	...	...	1·86	0·15	1·05	0·07	...	1·55	0·25	1·35	19	?	15·86	11·48	2·90	27·69	26·84	*Raipore.*		
0·05	...	...	2·50	0·14	2·26	0·04	0·08	0·15	0·13	1·30	22	?	17·12	?	2·50	32·27	?	*Sonamukhi.*		
0·64	0·92	...	0·12	0·18	0·44	0·12	0·57	3·20	1·39	2·65	27	22·3	15·60	12·64	3·20	28·57	29·03	Bh. Soory ...	Beerbhoom.	
...	...	2·06	1·26	0·33	...	0·27	0·45	0·80	0·75	1·09	21	19·7	12·88	14·34	2·06	22·93	31·60	Hetampore.		
0·23	...	...	1·30	2·70	0·95	0·68	0·50	2·61	0·85	0·83	20	18·9	15·07	11·18	2·70	28·13	27·55	Rampore Haut		
0·33	0·05	...	3·55	2·16	1·31	...	2·31	2·65	1·11	1·61	20	?	21·64	?	3·55	34·57	?	*Bolpur.*		
...	...	...	5·50	4·55	1·15	...	...	...	...	...		?		?			?	Murarai.		
0·02	...	...	...	0·35	3·62	0·09	0·36	2·10	6·00	1·13	23	16·0	23·77	10·88	6·00	36·88	31·06	Ranaghat ...	Nuddea.	
...	0·05	0·01	2·48	5·78	...	0·52	...	0·61	4·48	2·00	22	20·4	21·01	10·32	5·78	34·82	31·44	Kishnaghur.		
0·18	0·10	...	0·90	4·00	0·60	1·30	0·25	0·95	1·00	0·79	21	17·3	15·93	10·09	4·00	31·66	33·03	Chooadanga.		
0·21	...	...	...	3·17	1·80	0·33	0·06	1·20	1·21	1·01	22	17·7	15·45	10·11	3·17	35·38	31·87	Meherpore.		
0·31	0·08	0·17	0·28	1·36	2·76	0·18	0·39	0·29	0·29	0·60	22	19·2	13·75	11·02	2·76	30·38	35·01	Kooshtea.		
0·90	0·02	...	...	0·42	0·83	0·14	...	0·80	0·41	2·10	26	21·7	14·52	13·41	2·71	24·44	38·21	Satkhira ...	Khoolna.	
0·55	0·70	...	0·90	...	0·28	...	0·37	1·50	1·28	1·63	20	20·9	13·88	14·86	2·70	35·00	41·37	Bagirhat.		
1·28	...	0·21	1·00	0·72	1·88	0·66	0·93	3·30	2·17	1·12	24	21·1	23·10	12·09	3·30	37·90	38·20	Khoolna.		
0·55	0·27	...	0·05	0·21	0·96	0·15	0·57	...	2·26	0·27	22	19·9	9·68	9·09	2·26	23·69	33·47	Narail ...	Jessore.	
0·47	0·05	0·08	0·06	0·44	3·12	0·95	1·93	2·59	1·09	0·97	28	23·2	19·57	11·70	3·12	42·28	40·17	Jessore.		
0·70	...	0·41	0·10	1·54	0·75	0·06	...	0·42	0·49	0·53	16	18·9	10·52	9·75	2·61	31·97	35·66	Jhenidah.		
0·25	0·10	1·60	...	1·02	0·55	0·42	0·06	0·08	1·17	0·17	20	21·0	9·38	10·28	1·60	33·12	37·56	Magoorah.		
0·30	...	...	0·10	0·50	5·50	...	0·65	3·00	4·75	1·00	19	15·4	21·72	11·20	5·50	33·73	32·88	Bongong.		
...	...	...	3·75	2·65	0·80	...	0·55	0·52	1·48	3·15	18	19·5	20·68	12·63	3·75	35·30	30·28	Kandi ...	Moorshedabad	
0·06	...	...	0·09	0·37	2·70	0·07	0·04	0·87	1·64	0·68	21	18·9	11·89	10·39	2·70	24·63	29·20	Berhampore.		
0·31	...	...	1·42	0·93	1·23	0·90	0·76	0·66	1·63	0·19	24	17·8	14·83	10·63	2·69	28·73	27·64	Lalbagh.		
0·10	0·10	...	1·00	4·80	1·55	1·20	0·02	...	1·00	0·40	24	19·9	16·71	10·71	4·80	31·05	27·84	Azimgunge.		
0·47	...	1·14	0·11	0·13	1·76	0·40	0·32	0·17	1·16	0·20	26	18·8	10·55	10·97	1·76	20·41	27·32	Jungipore.		
...	0·35	...	...	1·53	1·60	0·75	...	0·66	0·20	0·25	17	18·4	11·11	11·24	1·60	23·55	29·17	Lalgola.		
0·19	0·02	0·14	0·51	1·21	3·02	0·97	0·08	0·04	0·41	1·20	27	?	16·36	?	3·02	33·35	?	*Akhrigunj.*		
...	...	2·30	3·10	1·60	...	...	2·00	0·15	0·90	0·40	15	?	16·16	?	3·10	34·37	?	Patkabari.		
2·95	1·98	2·55	3·58	5·95	3·11	2·35	1·95	5·95	2·13	...	27	26·3	61·25	41·31	5·95	96·48	90·33	Cox's Bazar ...	Chittagong ...	EAST BENGAL.
0·55	3·42	1·89	2·70	2·17	6·50	1·75	0·24	0·27	0·41	0·13	28	24·6	29·84	22·13	6·50	64·16	62·51	Chittagong.		
0·78	2·66	1·13	6·00	4·00	3·00	3·17	0·46	2·00	1·24	0·03	28	?	43·13	?	6·00	75·85	?	*Kutubdia.*		
0·46	4·09	2·30	2·76	0·98	3·58	1·78	0·98	1·40	0·94	0·20	28	?	30·39	?	4·09	62·41	?	*Satkanya.*		
0·51	1·21	1·03	0·50	1·05	1·95	0·16	0·59	0·36	0·25	0·71	29	25·9	13·74	18·78	1·95	42·05	55·34	Rangamati ...	Chittagong Hill Tracts.	
0·25	1·80	0·54	0·53	0·20	2·00	0·50	0·12	...	0·15	...	24	23·0	11·38	15·75	2·00	37·45	51·97	Ruma.		
1·45	0·75	...	3·65	0·10	0·95	2·00	1·55	2·13	2·50	3·50	27	24·7	32·56	22·13	3·65	55·24	58·29	Patuakhally ...	Backergunge.	
0·50	0·23	0·26	0·11	0·02	0·10	0·78	0·02	3·23	1·28	2·77	27	23·7	20·21	16·46	4·81	41·26	45·47	Perozepore.		
0·44	1·80	0·05	0·60	0·04	0·96	1·42	0·54	2·57	0·88	2·75	27	26·0	21·59	16·75	2·75	39·97	48·53	Burrisal.		
0·27	0·26	0·60	0·18	0·17	0·18	0·45	0·75	1·78	3·54	2·08	26	26·4	16·74	18·46	3·54	37·46	52·98	Bhola.		
0·99	0·17	0·15	0·48	0·50	1·23	2·10	...	...	2·05	2·42	20	?	19·74	?	2·42	42·71	?	*Gournaddi.*		
1·75	0·27	0·11	1·61	0·13	0·61	0·81	1·21	5·25	3·81	3·25	25	?	34·41	?	5·25	55·34	?	*Bauphal.*		
1·22	0·43	0·41	0·90	2·66	1·88	1·56	0·45	4·28	1·26	3·70	23	25·8	34·09	21·36	4·28	63·90	63·04	Noakholly ...	Noakholly.	
2·74	0·40	3·55	2·18	5·02	2·00	2·50	3·80	1·70	1·50	0·10	25	23·6	35·47	23·64	5·02	67·29	71·11	Fenny.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL—concld.	Noakholly—concld.	*Harishpore*	3·38	1·32	0·75	1·32	1·13	1·02	1·01	1·75	1·52	...	...	0·40	.	0·04	1·15	...	...	...	0·04	2·12
		Ramganj ...	1·27	1·17	0·56	1·66	0·26	0·73	0·20	0·25	0·04	0·06	...	0·05	0·22	1·90	0·07	0·27	...	...	0·10	0·45
	Furreedpore...	Madaripore ...	1·10	0·90	0·58	..	0·48	0·74	0·25	0·10	0·65	...	...	...		0·35	..	0·84	...	...	...	0·35
		Furreedpore...	1·58	1·86	0·51	0·01	...	0·05	0·35	..	0·40	...	...	.	0·13	...	0·12	0·11	...	...	...	...
		Goalundo ...	0·98	3·03	0·73	...	...	...	0·08	0·08	0·12	0·06	...	...	...	0·25	0·10	...	...	...	...	0·14
	Dacca ...	Munshigunge	3·23	0·38	0·46	...	...	...	0·48	0·20	0·07	0·94	...	0·34	0·14	0·32	0·59	0·04	...	0·31	0·40	0·12
		Dacca ...	1·41	0·33	0·21	.	...	0·06	0·23	...	0·18	0·27	..	...	...	0·28	0·31	...	...	0·30	0·08	...
		Naraingunge	3·22	0·44	0·90	0·62	...	0·34	0·17	..	0·11	0·10	...	...	...	0·49	0·72	...	...	0·29	0·26	...
		Manickgunge	0·40	2·24	0·56	0·01	...	..	0·39	0·46	0·08	0·02	...	...	0·28	0·70	.	..	0·03	...	0·45	0·02
		Joydebpore ...	0·37	0·71	0·16	0·18	0·02	0·14	0·94	0·06	0·18	0·09	...	...	0·48	0·14	0·01	0·03	...	0·08	0·06	0·05
	Hill Tipperah	Agartola ...	0·20	0·25	0·46	...	0·37	0·11	...	0·44	...	...	...	...	0·80	...	0·35	0·50	...	...	...	...
	Tipperah ...	Comilla ...	0·61	1·02	0·62	...	...	0·36	..	0·45	0·06	.	...	0·26	...	0·07	0·09	...	...	...	0·05	0·03
		Chandpore ...	1·50	1·55	2·50	...	.	0·30	0·40	0·30	0·20	0·30	...	...	.	0·65	0·41	..	...	0·22	0·20	0·18
		Brahmunberia	1·34	0·43	0·80	..	0·15	0·10	..	0·97	...	..	...	..	0·35	..	..	..	...	...	0·98	..
		Ramchandrapore.	3·14	0·37	...	0·41	0·47	0·71	...	...	...	...	...	0·05	0·25	0·37	...	0·15	...	...	...	0·06
		Nasirnagar...	0·80	...	..	...	...	...	..	0·20	...	...	...	...	0·50	0·75	..	...	...	...	0·20	...
		Daudkandi ...	5·94	...	..	..	...	...	1·15	0·30	...	...	..	...	.	1·05	0·28	...	..	...	...	...
		Kasba ...	0·26	0·65	1·60	0·12	0·16	...	..	0·12	...	...	..	...	0·54	...	...	...	..	...	...	...
		Laksham ...	1·10	1·60	0·25	0·05	...	...	..	1·85	...	...	..	...	...	...	0·83	0·15	...	...	0·10	0·35
	Mymensingh..	Kishoregunge	2·32	1·63	0·19	0·09	...	.	...	0·34	...	0·08	...	...	0·29	0·11	...	...	...	0·16	0·00	0·08
		Atia (*Tangail*)	0·78	1·11	1·15	0·11	...	0·52	...	..	0·28	0·14	...	...	0·54	[illegible]	..	..	...	...	...	0·40
		Mymensingh	0·52	0·61	0·30	0·06	0·12	0·04	0·37	0·84	0·11	0·16	...	...	0·40	0·08	0·20	0·05	...	0·35	0·15	0·11
		Jamalpore ...	0·42	0·82	1·80		0·13	0·23	0·32	0·50	0·07	0·02	0·10	..	0·09	.	0·19	0·09	...	0·12	0·22	0·08
		Netrokona ..	1·84	1·20	0·12	2·72	...	0·26	1·19	0·91	0·58	0·09	0·17	..	0·70	0·45	0·72	..	...	0·28	0·15	0·14
		Subornakhally	0·28	1·62	1·13	0·30	...	0·40	0·60	0·13	0·10	0·12	...	..	1·70	0·02	0·10	...	...	..	...	.
		Durgapore ...	3·90	...	2·40	...	0·30	...	0·90	2·30	0·70	0·50	...	..	2·40	0·70	...	0·70	...	1·60	...	0·80
		Dewanganj ...	0·50	0·36	1·50	...	...	...	0·62	0·37	...	...	0·03	...	0·15	0·13	...	0·24	0·03	0·09	1·35	...
NORTH BENGAL	Pubna ..	Pubna ...	0·79	0·64	0·21	1·67	0·45	0·47	0·19	0·02	1·54	0·15	0·16	...	0·08	0·03	0·17	0·03	...	...	0·14	0·10
		Serajgunge ...	0·10	1·71	1·30	..	...	0·10	0·14	0·50	0·14	0·12	...	...	1·54	0·06	0·49	...	..	...	0·21	...
	Bogra ...	Sherpore ...	0·15	1·21	0·10	...	0·05	...	1·13	...	..	0·25	...	...	1·06	0·17	...	...	...	...	0·05	...
		Nowkhilla ...	1·32	0·40	0·44	.	..	0·50	0·19	1·07	0·12	0·81	0·05	...	0·80	...	0·43	0·30	...	...	0·30	.
		Bogra ...	0·55	0·82	0·27	0·08	...	0·46	0·84	0·10	.	0·42	..	...	0·18	0·01	...	..	..	...	...	0·22
		Panchbibi ...	0·49	0·43	1·62	..	...	...	0·84	0·37	0·39	0·28	...	...	...	0·10	...	0·24	1·15	...	0·13	0·15
	Rajshahye ...	Beauleah ...	0·05	0·13	0·34	0·09	...	0·05	0·01	0·08	.	0·11	0·40	...	0·41	0·25	0·07	0·01	0·15	0·05	0·04	0·06
		Nattore ...	..	0·17	2·40	0·15	..	...	3·20	...	0·20	0·25	...	...	0·50	0·25	0·73	...	0·80	...	...	0·30
		Naogaon ...	0·02	0·35	0·80	0·07	0·05	..	1·24	..	0·06	0·10	...	..	0·20	0·13		...	0·23	...	.	..
		Lalpore ...	0·64	0·48	0·14	..	..	0·10	...	...	...	0·25	..	0·40	0·30		..	...	0·18	...	0·08	0·30
		Manda ...	0·79	0·21	0·70	0·15	...	...	..	..	..	..	0·40	0·08	...	0·77	.	.	...	...	...	...
	Maldah ...	Maldah ...	0·15	2·58	0·06	0·05	...	0·09	0·00	0·05	...	0·80	0·07	0·02	0·73	0·30	0·12	0·17	2·98	0·05	0·03	0·18
		Chanchal ...	0·22	...	0·50	0·12	...	...	0·25	0·31	...	0·85	...	...	0·13	0·09	0·05	...	0·03	0·18	0·19	0·14
		Gajol ...	0·50	.	1·00	0·30	0·10	...	..	..	1·00	..	.	.	0·30	0·70		...	2·00	...	0·70	0·40
		Sibganj ...	1·62	0·32	0·41	0·15	0·41	0·05	1·55	0·81		0·32	0·03	...	0·54	0·70	0·07	...	1·20	..	2·00	0·13
	Dinagepore ..	Mohadebpore	1·50	0·70	...	0·41	.	0·18	0·02	0·12	0·03	0·40	0·12	...	0·08	..	2·30	...	0·18	...	...	0·32
		Churamon ...	0·35	0·19	1·71	...	0·20	0·01	..	0·50	0·07	0·65		..	0·14	0·19	0·04	...	2·02	0·14	.	0·15
		Raigunge ...	3·76	0·23	0·61	..	0·19	...	0·40	0·31	0·69	0·78	0·07	.	..	0·17	0·38	...	2·90	0·45	0·31	.
		Dinagepore ...	1·55	1·00	0·98		..	0·08	0·47	0·11	0·78	0·27	0·03	.	..	0·13	.	0·98	2·12	0·15	...	0·05
		Baloorghat .	0·76	1·31	0·29	0·21	0·06	0·05	0·37	0·46	...	0·37	0·04	...	0·44	0·14	0·02	..	0·02	...	...	0·06
		Thakurgaon ...	0·63	0·14	0·97	...	...	...	0·42	0·58	1·93	...	0·16	...	1·04	0·38	...	1·37	3·87	...	...	0·26
	Rungpore ..	Bhawanigunge (*Gyabanda*).	1·19	1·36	0·42	...	...	...	...	1·42	...	...	...	..	0·16	0·00	...	..	...	...	...	...
		Rungpore ...	0·16	1·39	0·09	...	0·62	...	0·93	0·72	...	0·13	...	0·05	0·10	..	...	1·55	0·35	...	...	..
		Kurigram ..	1·35	1·83	1·77	...	.	..	...	.		0·23	..	...	0·13	0·29	...	..	1·35	2·61	...	0·03
		Bagdogra (*Nilphamari*).	0·20	0·40	1·35	...	0·11	0·20	...	0·35	2·19	0·25	...	...	0·72	0·23	...	1·34	2·14	0·50	...	0·42
		Ulipore ...	0·02	0·75	2·25	...	...	...	0·22	...	...	...	...	0·39	0·31	...	0·18	...	...	...	...	0·20
	Julpigoree ..	Julpigoree ..	0·14	...	1·36	...	..	1·00	1·17	3·66	0·06	0·64	..	.	0·09	0·35	0·17	3·18	5·88	...	0·45	..
		Alipore Doar	0·53	...	2·32	.	..	...	0·47	0·85	1·25	0·55	0·51	0·62	0·07	0·40	0·27	0·32	3·90	0·22	1·00	0·95
		Falacotta ...	0·38	...	1·57	0·51	...	0·06	0·08	2·90	0·48	...	2·71	..	0·11	0·20	0·55	0·77	7·01	0·44	3·40	0·32
		Debiganj ...	0·94	0·04	1·11	0·03	0·02	0·05	0·14	1·34	2·27	0·26	...	0·0	1·36	0·08	0·02	0·59	1·58	0·05	...	..
	Cooch Behar..	Dinhatta ...	1·16	0·39	2·78	...	...	0·60	0·51	...	0·09	1·38	...	...	0·35	1·25	...	0·15	0·54	0·39	0·21	0·17
		Cooch Behar...	1·45	0·25	4·46	.	0·28	0·08	0·28	0·78	.	0·70	0·32	...	0·70	0·23	...	0·15	3·05	2·80	1·42	0·08
		Mekligunge ..	0·31	0·14	1·01	...	0·06	0·35	1·25	0·21	4·00	0·56	..	...	0·84	0·77	...	0·64	7·10	0·17	0·14	0·54
		Matabhanga...	1·17	0·07	2·04	...	...	[illegible]	1·86	2·70	...	0·84	...	...	0·27	0·16	...	0·05	2·90	0·08	0·10	[illegible]
	Darjeeling Hill	Buxa ...	0·35	0·19	3·00	0·80	7·80	1·54	1·09	1·43	2·44	1·70	0·95	...	0·05	0·10	2·32	5·40	6·30	0·16	0·40	0·73
		Siliguri ...	0·07	0·26	1·95		2·33	2·05	1·04	5·83	2·24	0·90	0·13	...	0·15	1·49	0·37	0·31	0·72		1·80	0·05
		Darjeeling ...	2·18	2·62	4·78	0·28	0·41	0·78	0·73	1·97	1·31	2·07	2·36	...	0·04	1·32	1·05	0·06	1·54	0·01	1·94	0·45
		Kalimpong ...	0·94	0·63	2·16	...	0·40	2·72	0·35	0·81	1·70	1·93	1·72	0·24	0·20	1·18	0·83	...	0·81	0·02	1·82	2·19
NORTH BEHAR	Purneah ..	Kissengunge	0·12	1·07	1·00	0·16	..	0·45	0·58	...	3·82	1·55	..	....	0·44	0·10	0·31	0·25	2·25	...	0·27	1·48
		Arrareah ...	1·75	1·06	0·50	0·58		0·12	...	0·85	1·95	0·45	0·81	...	1·25	0·90	..	0·10	1·52	1·06	0·39	0·08
		Purneah ..	0·44	0·90	2·31	0·10	0·04	1·05	0·93	0·45	2·09	1·10	0·31	...	0·04	0·05	0·15	...	2·00	0·46	0·19	0·04
		Gondwara ...																				
		Balarampore	1·20	0·80	0·50	..	...	...	...	1·80	1·00	0·93	..	...	..	0·98	0·40	..	2·77	..	...	..
		Matiari ...	0·90	1·38	1·15	...	...	...	...	0·60	3·50	0·98	0·95	...	0·35	...	.	1·00	0·25	1·60	...	0·40
		Kaliaganj ..	0·58	0·06	2·04	0·12	...	1·06	2·05	1·00	3·10	0·31	...	...	0·52	0·70	0·05	1·22	1·46	0·03	...	0·07
	North Bhagulpore.	Maddapore ...	0·24	1·05	1·41	0·35	...	.	...	0·60	0·21	...	.	...	...	0·04	...	...	2·96	3·35	0·42	..
		Soopool ...	1·30	0·85	1·42	0·23	0·15	0·08	...	1·16	0·13	...	0·45	...	0·10	0·25	...	...	2·15	1·35	2·35	0·28
		Protabganj ...	1·13	0·21	2·77	...	...	0·23	0·45	2·10	0·70	0·18	0·17	...	0·40	0·24	2·60	0·40	..	0·87	...	0·54
	Durbhunga ..	Tajpore ...	...	0·84	1·70	0·71	0·74	0·65	0·35	0·03	0·01	0·08	...	...	0·08	0·08	0·13	..	0·34	1·14	0·52	0·08
		Durbhunga ...	1·49	0·41	0·66	.	.	0·45		...		...	0·09	...	0·83	...	...	...	0·14	0·20	0·20	...
		Madhubani ...	6·77	0·67	1·18	0·01	0·03	...	0·01	0·01	0·11	0·21	0·61	...	0·23	.	...	...	0·25	1·18	0·54	0·01
		Bahera ...	4·10	0·70	1·70	..	..	...	...	0·15	...	0·25	...	...	...	0·20	...	...	1·80	1·20	0·00	...
		Roshera ...	...	1·00	1·10	0·40	...	0·20	...	0·15	...	...	...	...	...	0·70	...	...	1·88	0·47	0·24	...
	Mozufferpore	Sitamarhi ...	5·18	1·05	0·30	...	0·85	2·00	0·10	...	...	...	...	...	0·12	...	...	...	...	0·75	1·10	...
		Mozufferpore	0·12	0·82	4·88	0·34	0·62	0·10	...	...	...	...	...	...	0·35	0·03	..	1·05	0·10	2·03	0·35	0·30
		Hajipore ...	..	0·58	1·31	0·68	..	2·14	...	...	0·21	0·71	..	...	...	0·23	..	0·05	0·06	0·60	0·59	0·50
		Paru ...	0·17	...	1·50	0·50	...	...	...	...	...	...	0·70	...	0·10	...	...	...	...	0·50	1·00	..
		Mahua ...	0·40	0·65	1·62	...	...	1·55	.	...	...	...	...	...	...	...	...	...	...	1·10	0·12	..
		Sunhar ...	1·10	0·10	0·22	0·17	0·22	0·07	0·82	...	...	...	...	...	0·15	...	...	...	...	0·95	..	...
		Pupri ...	3·90	1·10	0·43	...	0·63	...	0·40	...	...	...	...	...	0·70	...	...	...	...	...	0·80	...
	Chumparun ..	Motihari ...	0·37	0·15	0·60	...	1·65	0·78	0·15	...	0·09	0·00	...	...	0·27	...	...	...	...	0·77	0·15	0·08
		Bettiah ...	0·49	0·58	0·50	...	2·32	0·21	0·07	0·50	...	...	0·08	...	...	0·04	...	...	1·32	1·00	1·66	0·86
		Bagaha ...	0·14	2·02	0·14	0·18	0·38	0·05	...	0·32	...	...	...	...	0·05	...	...	...	0·42	0·85	2·43	1·18
		Burhurwa ...	0·88	1·07	0·99	0·15	0·32	0·09	...	...	0·34	0·15	...	...	...	...	0·18	...	0·28	1·30	0·20	0·32
	Sarun ..	Gopalgunge ..	0·09	0·33	1·79	0·95	0·07	...	...	...	0·87	0·11	...	...	...	...	...	...	0·67	0·55	0·65	0·48
		Sewan ...	0·16	3·54	0·55	...	...	0·83	..	0·22	..	0·51	...	...	...	...	...	0·24	1·23	0·69	0·44	0·00
		Chupra ...	0·02	0·03	1·55	0·06	...	3·41	0·65	0·93	0·82	0·10	0·01	...	...	...	...	...	0·96	0·37	...	0·32

in Bengal in July 1888—*continued.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st July 1888.	Average rainfall from 1st January up to 31st July 1888.	Station.	District.	Meteorological division.
0·92	1·12	3·15	4·12	4·35	4·15	2·25	...	4·02	2·00	2·12	24	?	45·24	?	4·35	75·22	?	*Harishpore* ...	Noakholly—*concld.*	EAST BENGAL—concld.
0·64	0·43	0·31	3·16	1·23	0·43	0·89	0·31	1·28	2 09	1·96	28	?	21·97	?	3·16	52·07	?	*Ramganj.*		
...	...	0·27	0·97	1·12	1·60	0·60	0·71	0·76	3·40	0·65	19	20·0	16·72	12·59	3·40	37·27	42·52	Madaripore ...	Furreedpore.	
0·40	0·66	0·10	1·50	1·13	0·68	3·87	1·87	0·30	1·32	0·13	21	21·2	16·98	12·67	3·87	41 09	42·43	Furreedpore.		
0·86	...	0·10	0·06	0 80	1·10	1·06	...	1·79	0·90	0·10	19	19·5	12·23	11·89	3·03	39·99	38·27	Goalundo.		
0·57	...	0·20	0·22	2·78	3 12	1·64	0·21	...	3·32	2·20	24	19·9	22·28	16·12	3·32	55·89	52·12	Munshigunge.	Dacca.	
0·52	0·37	...	1·27	2·36	1·42	0 50	1·18	...	3·19	1·67	20	22·1	16 14	12·90	3·19	46·81	44·69	Dacca.		
0·69	0 21	0·46	0·04	1 90	4·20	3·61	0·02	...	1·36	2·44	22	21 6	22·89	15·61	4·20	60 91	46·66	Naraingunge.		
0·34	0·04	0·50	...	1·37	1·90	2·22	0·03	0·81	1 25	0·06	23	19·6	14·43	12·11	2·24	37 96	37·94	Maniokgunge		
1·06	0 02	1·35	0·25	3·45	1·08	0·62	0·42	0 09	3·50	3·06	28	?	18·28	?	3·45	51·20	?	*Joydebpore.*		
0 10	0·12	0·45	0·09	...	1·30	0·83	2·15	0·47	...	...	17	18·9	8·99	11·63	2·15	60·73	48·93	Agartola ...	Hill Tipperah.	
0·85	0·65	0·52	0·80	0 65	3·00	2·52	0·07	0·90	0·12	0·11	22	24·1	13·81	17·90	3·00	46·20	57·70	Comilla ...	Tipperah.	
0·53	1·13	0·54	0·80	2·06	0·71	0·10	1·50	0·20	0·90	2·20	24	22·3	19·98	15·47	2·06	48·28	51·38	Chandpore.		
0·10	...	0·27	...	0·22	0·46	0 33	...	0·71	0·19	...	15	21·8	6·80	11·17	1·34	62·80	39 53	Brahmunberia.		
0·30	0·51	0 15	0·55	0·44	3·75	2·48	0·91	...	1·55	0·50	20	?	17·11	?	3·75	51·62	?	*Ramchandrapore.*		
...	...	...	0·80	...	...	0·35	...	3·10	...	0·50	9	?	7·20	?	3·10	53·09	?	*Nasirnagar.*		
0·36	0·43	...	...	1·38	3·42	1 73	0·78	0·01	3·73	1·37	14	?	21·87	?	5·94	47·66	?	*Daudkandi.*		
0 32	0·26	0·41	...	0·29	1·06	0·75	...	0·36	..	..	14	?	6 90	?	1·60	57 50	?	*Kasba.*		
0·14	2·12	6·45	0·76	0·64	1·25	2·95	...	1·81	0·82	0·92	19	?	24·16	?	6·45	56·23	?	*Laksham.*		
0·04	0·33	0·22	1·15	0·08	0·35	0·04	0·66	0·86	0·77	0·34	22	20·3	10·20	12·93	2·32	66·49	52·08	Kishoregunge.	Mymensingh.	
0·26	...	...	...	0·45	0·53	0·48	0·08	0 35	1·79	0·12	18	16·1	9·27	11·17	1·79	28 01	37·36	Atia (*Tangail*)		
0·50	0·21	0·41	...	0·50	0 17	1·45	0·82	0·05	0·17	0·04	27	22·4	9 50	16·09	1·45	40 86	57 91	Mymensingh.		
0 16	0·07	2·82	...	0 38	0·46	1·28	1·48	0·09	0·77	0·07	26	18 5	12·82	12 47	2·82	41 07	45·05	Jamalpore.		
0·41	0·37	0·20	0·21	1·18	0·51	1·60	1 96	1·44	..	0·06	26	21·2	19·26	13·57	2·72	64·86	50·73	Netrokona.		
0·57	...	...	0·16	0·30	...	2·20	0·09	0·48	1·33	0·05	20	?	11·98	?	2·20	42·87	?	*Subarnakhally*		
1 30	...	0·20	2·00	1·30	1·10	0·90	2 10	1·50	..	.	29	?	27·60	?	3·90	83·17	?	*Durgapore.*		
0·13	...	3·59	...	0·20	...	2·11	0·10	0·62	0·09	0·03	20	?	12·44	?	3 59	42·90	?	*Dewanganj.*		
0·12	0·04	...	0·13	2·17	3·35	0·10	0 04	1·41	0·15	0·38	27	20·4	14·73	10·71	3 35	35 24	35·46	Pubna ...	Pubna.	NORTH BENGAL.
0·50	...	...	0·05	0·36	0·27	1·05	0·91	0·73	0·30	0·04	21	15·8	10·62	10·95	1·71	37·13	35·15	Serajgunge.		
0·55	...	0·06	0·42	0·07	0·52	1·55	1·21	0·12	0·05	0·40	19	17·0	9·21	12·71	1·55	26·09	37·16	Sherpore ...	Bogra.	
0 40	0·19	...	...	0 92	0·29	2 36	..	1·25	0·35	0·20	21	19 7	12·69	11·47	2·36	37·64	36·31	Nowkhilla.		
0·27	0·65	...	0·39	. .	1·84	0·40	0·12	0·52	0 05	0·16	20	18·0	7·89	15·83	1 34	27 78	47·26	Bogra.		
...	0·25	...	...	0·84	0·85	0·75	0·02	0·10	...	...	18	14·0	9·34	12·40	1·02	32·12	34·42	Panchbibi.		
0·47	0·14	0·01	...	0 03	2·84	0·56	0·08	0·09	0·95	0·30	27	20·0	7·70	11·40	2·84	17·13	31·73	Beauleah ...	Rajshahye.	
0·50	2 70	0·20	...	0·55	0 60	4·60	0·85	0·10	1·30	0·60	21	14·9	18·45	12·20	3·20	36·21	33·56	Nattore.		
0·53	1·65	...	...	...	2·92	1·22	...	1·65	0·25	..	17	?	11·45	?	2·92	22 59	?	*Naogaon.*		
0·22	...	0·29	0 75	1·05	2 90	..	1·00	1·06	1·24	0·32	19	?	12·10	?	2·30	29 19	?	*Lalpore.*		
...	0·75	...	...	.	1·11	0·63	3 00	0·98	0·10	0·32	14	?	10·05	?	3·00	18·27	?	*Manda.*		
0·65	0·21	...	0·04	0·03	2·15	0 75	0·07	1·13	0·05	0·27	28	19·4	14·72	10·74	2·98	19·01	28·01	Maldah ...	Maldah.	
0·30	0·30	0·50	0·06	1·73	0·70	.	0·84	0 85	...	0·08	22	22·2	9·11	12·27	1·73	16·77	31·35	Chanchal.		
0·50	...	...	...	1·20	0·52	0·50	0·12	1·00	.	..	16	?	10 84	?	2·00	18 31	?	*Gajol.*		
0·21	0·05	...	1·59	0·06	2·30	0 42	3·77	0 39	0·10	0·16	26	?	19·36	?	3·77	26·91	?	*Sibganj.*		
0·83	0·01	...	...	0·83	1·70	0·02	2·58	0·70	0·08	0·15	22	17 2	13·16	11·01	2·58	23·95	32·63	Mohadebpore .	Dinagepore.	
0·16	0·15	...	0·07	2 61	0 57	...	0·20	1·55	0·04	0·03	23	18·0	11,92	11·72	2·61	22·13	30 74	Churamon.		
.	2·89	...	0·07	1·11	0 40	0·59	0·82	0·54		..	22	20·3	17·90	12 69	3·76	34·75	33 63	Raigunge.		
0·12	0 11	...	0·08	2·10	0·87	0·33	3·22	1·98	0·06	0·50	24	19·9	18·40	14 99	3·22	48·85	43 67	Dinagepore.		
0·12	0·02	...	...	0·21	0·64	0·45	0 83	0 33	...	0·22	23	19·2	8·82	10·27	1 31	25·96	30 57	Baloorghat.		
...	0·24	0·71	0·06	1·53	0·43	0·85	. .	1·30	...	..	18	?	10·61	?	3 87	?	?	Thakurgaon.		
0·07	...	0·27	...	...	0·42	0 62	...	0·19	0·04	0·10	13	12·9	6·35	11·91	1·42	38·67	41·75	Bhawanigunge (*Gyabanda*).	Rungpore.	
...	0·37	...	...	0·30	0·15	0·07	...	0·13	...	0·03	18	19·2	7·87	15·77	1·55	39·69	52 52	Rungpore.		
...	...	...	...	1·05	.	0·92	. .		...		11	13 3	11·95	13·57	2·61	60·61	58·50	Kurigram.		
...	0·02	...	0·46	0·98	0·50	0·13	0·18	0·46	...	0·03	22	16 5	12 88	13 38	2 19	49 19	56·41	Bardogra. (*Nilphamari*)		
...	...	...	...	0·29	...	...	0·15	. .	...	...	9	?	5·70	?	2·25	42·25	?	*Ulipore.*		
...	0·72	...	0·89	2·65	0·45	0·54	0·48	0·73	. .	...	21	21 6	35·75	26·06	9·06	83·83	73·35	Julpigoree ...	Julpigoree.	
0·07	...	0·15	1·32	0·18	...	1·02	1·85	0·22	...	...	28	?	18·21	?	3·90	70·55	?	*Alipore Doar.*		
0·41	0·29	..	0·63	1·22	0·06	0·47	0·71	0·27	...	...	28	?	26·44	?	7·64	77·40	?	*Falacotta.*		
...	0·01	0·07	...	3·81	0·16	0·17	0·12	0·41	...	...	25	?	14·81	?	3·81	58·30	?	*Debiganj.*		
...	0·31	0·51	...	0·34	0·16	1·09	0·19	.	...	...	20	19·6	13·67	16 19	2·78	68·50	68·96	Dinhatta .	Cooch Behar.	
...	...	. .	...	0·99	0·15	1·25	1·90	0·12	. .	...	21	19 7	21 90	22·35	[illegible]	78 96	[illegible]	Cooch Behar.		
...	...	. .	0·22	0·94	1 25	0·28	1·42	0·53	...	...	22	19·7	22 18	21 24	7·10	64·10	65·49	Mekligunge.		
0·03	0·22	0·06	2·24	0·26	0·25	0·98	2·23	0·22	...	...	23	22·3	19 50	21·18	2·70	63 81	[illegible]	Matabhanga.		
0·92	0·08	1·63	1·65	0·80	...	0·34	0·45	...	0·11	1·52	28	25·2	42·92	17 68	7·83	114·79	126·79	Buxa . .	Darjeeling.	
0·54	0·65	0·48	0 65	1·76	0·50	0·55	1·08	0·17		..	26	22 2	27·27	25·26	5·83	64·19	65·45	Siliguri.		
2·42	0·14	0·08	0·78	2 15	0·70	3·06	0·98	0·71	0·27	0·51	30	27·7	39 42	30·36	4·79	57·41	69·99	Darjeeling.		
2·09	0·02	. .	0·79	1·56	1·01	2·53	1·27	1·08	0·14	1·00	28	26 8	32·61	22 12	2 72	49·08	52·33	Kalimpong.		
...	0·07	...	1·35	2·05	0·19	0·16	0·73	0·15	...	0·32	23	20·3	17·47	16 49	3 92	45·41	41·89	Kissengunge ..	Purneah.	NORTH BEHAR.
...	0·27	1·35	1·29	0·41	0·04	0·35	2·29	0·10	. .	...	24	17·4	19·49	16·18	2·29	[illegible]	38 10	Arrareah.		
0·31	0·32	...	0·58	1·84	0·51	...	1·17	0 95	0·04	...	25	20·5	18·15	14 13	2·69	29·93	32 50	Purneah.		
												?		?			?	*Gondwara.*		
...	0·60	...	...	2·10	...	1·60	0·40	...	0·27	0·30	15	?	18·05	?	4·00		?	*Balarampore*		
0·40	...	..	3·00	0·20	0·30	...	0·26	...	..	...	17	?	16·62	?	3·50	37·22	?	*Matiara.*		
0·02	0·38	0·19	2·12	2·93	0·52	0·07	0·37	0·65	. .	..	25	?	21·62	?	3·10	47·51	?	*Kaliaganj.*		
0·25	0·10	...	0·04	1·56	3·01	1·55	3·25	0·60	...	0·32	19	15·4	21·37	13 01	3·35	38·31	27·10	Maddapore ..	North Bhagulpore.	
...	0·18	...	.	0 45	1·00	0·60	2·40	0·34	...	0·10	22	15·8	17·60	11·34	2·40	29 60	26·43	Soopool.		
...	...	...	0·61	0·71	0·31	0·09	...	0·12	...	...	20	?	14·27	?	2·77	24 28	?	*Protabganj.*		
...	...	...	...	2 89	2·40	0 34	1·29	...	...	...	20	14·1	14·35	12·31	2·89	23 60	23·61	Tajpore .	Durbhunga.	
0·11	0·07	...	...	5·68	2·21	0·05	1·49	0·20	0·07	.	17	14·9	14 33	12·02	5 68	27·14	24·41	Durbhunga.		
0·28	...	...	...	0·09	1·12	1·00	0·45	0·02	....	0·11	22	14·0	14·94	10·84	6 77	28·23	24 90	Madhubani.		
0·50	...	...	...	3·02	2·55	0·20	0·90	0·10	...	0·12	16	?	18·09	?	4 10	31·83	?	*Bahera.*		
...	0·01	...	1·50	2·85	1·50	0·20	3·25	0·05	...	. .	16	?	15·28	?	3·25	20·99	?	*Roshera.*		
...	...	...	...	1·60	3·00	0·10	...	..	...	...	12	11·7	15·65	10 87	5·18	27·71	24·01	Sitamarhi ..	Mozufferpore.	
...	0·15	...	0·05	2·00	1·48	1·55	1·45	0·32	. .	. .	20	15 7	18 11	10·94	4·88	20 91	22 48	Mozufferpore		
0·02	1·02	0·12	...	2·13	5·37	0·46	0·40	0·32	0·31	0·10	22	16·8	17·93	12·21	5 37	23·15	22·46	Hajipore.		
...	...	...	2·55	0·62	4·50	...	0·28	0·62	...	0·10	13	?	13·44	?	4·50	20·80	?	*Paru.*		
0·12	0·50	0·11	0·07	3·05	3·10	0·50	0·55	0·40	0·16	...	16	?	14·00	?	3·10	18·30	?	*Mahua.*		
...	...	...	1·85	1·05	0·35	...	0·85	0·05	...	...	14	?	7 95	?	1·85	16 87	?	*Siuhar.*		
0·15	...	...	...	2 50	2·00	0·40	...	...	...	...	11	?	13 01	?	3·90	21·17	?	*Pupri.*		
...	...	...	0·21	2·10	1·90	...	2·47	0·47	...	...	17	13·1	12·30	10·06	2·47	24·47	23·55	Motihari ...	Chumparun.	
...	...	...	2·09	2·23	2·18	...	2·08	0·27	...	...	18	15·5	18 16	12 99	2·32	30·16	20 21	Bettiah.		
...	...	...	1·50	3·19	2·00	0·16	0·21	0·56	0·22	...	19	?	16 60	?	3·19	32 73	?	*Bagaha.*		
...	...	...	1·06	0·95	3 13	0·06	1·12	2·73	...	0·05	20	?	15 37	?	3·93	25·60	?	*Burhurwa.*		
...	...	...	0·44	...	2·30	0·11	1·36	1·07	...	...	16	15·5	11·79	12·88	2 30	19 25	23·29	Gopalgunge ...	Sarun.	
...	0·29	0·30	...	...	1 66	0·25	0·11	1·20	0·54	...	18	16·6	11·66	11·6	1·06	18 55	21 87	Sewan.		
0·02	0·48	0·16	2·77	0·00	0·97	0·22	0·67	0·10	0·02	...	23	15·8	14·43	10·35	3 41	19·16	19·80	Chupra.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH BEHAR	Shahabad ...	Buxar ...	0·18	1·77	0·19	0·22	0·02	0·01	...	...	0·14	2·16	0·46	...	...	...	...	0·01	0·62	1·65	...	0·12
		Dehree ...	3·53	0·45	0·40	...	0·35	0·03	...	...	0·15	0·53	...	...	0·26	0·04	0·03	0·99	1·40	2·74	0·04	2·67
		Bhuboosh ...		2·30	0·40	0·15	...	...	2·00	...	0·90	1·10	0·30	...	0·62	...	...	...	...	1·80	...	0·60
		Sasseram ...	1·85	0·62	0·40	...	...	...	0·07	...	...	...	...	...	0·80	0·12	...	0·10	...	2·00	0·13	1·80
		Arrah ...	0·40	1·80	1·05	...	...	0·15	1·15	0·45	1·07	0·07	0·41	...	0·17	...	...	0·70	1·45	0·18	0·30	1·97
		Mohaniah ...	...	1·80	0·80	...	...	...	1·50	0·30	...	0·13	...	...	...	...	...	...	...	2·76	0·20	...
	Gya ...	Aurungabad...	1·70	1·95	0·23	...	0·46	...	...	...	...	...	...	...	...	0·33	...	0·78	0·48	3·35	0·89	0·68
		Gya ...	1·25	0·27	0·42	...	...	0·72	0·02	...	...	0·57	...	...	0·06	0·17	...	0·32	0·93	0·82	0·08	0·07
		Nowadah ...	0·12	0·28	0·52	0·04	0·06	0·26	0·17	0·12	...	...	...	...	...	...	...	2·32	0·98	0·25	0·10	0·34
		Johanabad ...	0·60	1·05	0·29	...	...	2·11	...	...	0·60	0·10	...	...	...	...	...	1·48	0·02	0·31	...	0·58
		Arwal ...	2·17	1·03	0·19	...	...	0·90	...	0·19	...	...	...	...	...	...	...	2·13	...	...	0·14	0·53
		Daudnagar ...	0·67	0·63	0·50	0·30	...	0·57	...	...	...	1·50	...	...	...	0·50	...	1·00	...	5·16	...	...
		Sherryhati ..	0·50	1·92	...	...	0·10	0·20	...	...	...	0·70	...	...	...	0·20	...	...	1·14	1·34	...	0·80
		Rajauli ...	0·40	0·16	0·24	0·25	0·30	...	0·85	0·20	...	0·30	...	0·20	...	...	...	0·25	...	0·50	0·30	0·40
		Pakri Barawan.	...	0·50	1·50	...	...	0·03	0·05	1·05	1·00	...	...	...	...	...	...	0·87	0·03	0·15	...	...
	Patna ...	Patna ...	0·40	0·66	1·02	1·18	...	0·85	0·30	1·10	...	0·08	...	...	...	0·08	...	0·40	0·45	2·24	0·08	0·28
		Dinapore ...	...	1·42	1·30	0·24	...	0·80	1·41	2·04	...	0·47	...	...	...	...	...	0·70	...	2·44	...	0·80
		Behar ...	...	2·56	0·50	0·87	...	2·81	1·74	0·51	...	0·23	...	...	...	1·05	...	0·10	0·10	0·15	1·51	0·05
		Barrh ...	0·10	0·10	1·93	0·60	...	0·65	0·00	...	...	0·10	...	...	...	0·05	0·10	0·10	0·30	1·10	...	0·15
		Bickram ...	2·40	0·50	0·45	...	...	1·20	...	1·00	...	...	...	...	...	...	...	...	...	...	0·60	0·50
		Hilsa ...	0·07	2·55	0·18	1·41	...	0·68	1·80	0·12	...	...	...	...	0·03	0·30	...	0·10	...	0·09	...	0·03
	Monghyr ...	Begooserai ...	0·09	0·63	0·45	...	0·29	0·77	0·01	0·14	0·05	0·36	...	...	...	0·17	...	0·05	0·72	1·41	0·44	0·03
		Monghyr ...	0·38	1·10	1·29	...	1·20	0·05	...	2·35	0·38	1·26	0·02	...	0·03	0·17	0·11	0·03	0·23	0·81	2·37	0·03
		Jamui ...	0·28	0·64	0·72	0·09	0·91	...	0·08	...	...	0·61	...	...	0·06	0·14	0·04	...	2·11	0·25	0·45	0·14
		Gogri ...	2·80	0·80	0·60	...	0·35	...	...	0·22	3·15	2·15	...	...	0·20	0·42	0·23	...	0·60	1·45	0·30	...
		Sheikpura ...	...	1·40	2·30	0·50	...	0·80	...	0·76	1·95	0·02	0·05	...	...	0·03	...	...	1·30	0·50	...	...
	South Bhagulpore.	Bhagulpore ...	2·66	1·19	0·32	0·17	...	0·24	...	...	3·03	0·45	...	...	0·07	0·27	0·11	1·19	1·65	0·86	0·38	...
		Banka ...	0·30	1·04	0·30	...	...	0·29	...	...	0·23	...	0·16	...	0.02	0·04	0.10	0.42	0·49	0·95	0·11	0.49
		Kolgong ...	...	1·13	0·36	0·62	...	...	...	...	3·08	...	...	...	0·35	0·04	...	2.35	0·47	...	0·27	...
	Sonthal Pergunnahs.	Rajmehal ...	0·81	0·25	0·43	1·00	0·67	...	0·53	0·27	...	0·45	...	0·04	...	0·12	...	0·58	1·13	...	0·78	0·24
		Godah ...	0·40	0·50	0·75	0·66	1·41	0·26	0·22	0·25	0·12	0·13	0·02	...	0·01	0·05	0·02	...	0·08	0·12	0·41	0·10
		Pakour ...	0·85	0·45	0·35	0·52	0·95	0·02	0·19	2·59	...	0·31	0·15	...	1·52	0·32	0·12	0·85	2·95	...	0·08	0·12
		Nya Doomka	0·55	0·43	0·47	1·29	0·13	0·54	0·06	...	0·31	0·10	0·18	...	0·34	0·09	0·10	0·03	1·77	...	0·32	0·35
		Deoghur ...	1·27	0·80	0·54	0·11	0·87	0·86	0·42	0·79	1·08	0·13	0·15	...	0·07	0·24	0·06	0·07	1·86	0·03	2·37	0·23
		Jamtara ...	0·99	1·22	0·10	...	1·56	0·08	...	...	0·34	...	...	...	1·18	0·45	0·10	0·09	1·38	...	0·55	0·71
		Mohagama ..	2·15	0·65	1·11	...	0·35	...	...	0·35	1·15	...	...	1·10	0·05	...	0·45	1·12	0·28	...	0·06	...
		Nanihat ...	...	...	0·63	...	...	0·85	1·05	...	0·45	0·20	0·51	...	0·21	...	...	...	...	0·25	0·20	0·27
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ...	0·11	2·32	0·17	...	0·01	...	0·32	0·48	0·24	0·11	0·18	0·04	0·03	0·48	0·21	1·02	0·15	2·33	0·05	0·44
		Hazaribagh ...	1·80	3·65	0·36	0·28	0·07	1·76	...	...	1·25	0·19	0·08	0·07	0·15	0·11	0·26	0·40	1·45	1·06	0·09	0·67
		Semtagurah ...	1·86	1·56	0·25	...	0·70	0·52	...	0·60	1·40	0·15	0·20	0·10	0·33	0·15	0·95	3·20	0·72	0·10	1·12	0·44
		Mahudi Hills	2·32	0·44	0·18	0·68	0·45	0·11	0·45	...	...	...	...	...	0·35	0·09	0·06	1·11	0·07	...	0·29	0·66
		Jhoomrah Hills	3·10	1·40	0·40	...	0·90	0·30	...	0·20	0·20	0·20	0·10	...	0·30	0·70	0·20	0·30	0·75	...	0·10	1·00
		Barhi ...	0·40	0·26	0·40	...	...	1·00	...	...	0·45	...	0·62	...	...	...	...	...	1·27	1·60	1·65	0·50
		Chatra ...	2·76	4·95	0·22	0·24	0·55	0·60	0·60	...	0·23	...	...	...	...	0·20	...	...	1·62	4·77	0·31	0·80
		Karagdeha ...	1·30	3·00	0·10	0·60	...	...	...	2·60	0·30	...	...	...	...	0·70	...	0·30	...	1·50	1·10	0·34
		Ramghar ...	0·59	2·05	0·35	...	0·22	0·18	...	...	...	0·50	...	...	...	...	0·40	...	1·50	0·45	0·40	0·00
	Lohardugga...	Lohardugga ...	1·14	2·50	0·54	0·04	0·26	0·17	0·05	0·11	0·02	0·74	...	...	0·12	0·19	0·03	0·02	0·24	2·17	0·05	1·44
		Ranchi ...	0·52	2·32	0·35	0·33	...	0·96	0·46	...	0·05	0·15	...	...	0·14	0·40	0·47	0·06	...	5·60	0·77	2·65
		Palamow ...	0·13	3·50	2·07	0·02	0·04	0·28	...	...	0·38	1·25	...	...	0·15	0·33	...	...	0·25	1·67	0·55	1·65
		Silli ...	...							...	0·08	2·00	...	...	...	...	0·60	...	2·60	...	...	...
		Balumat ...	...	2·30	1·45	0·13	...	0·29	1·20	...	0·67	...	...	...	...	...	...	1·14	0·44	0·37	0·29	0·30
		Hoseinabad...	...																			
		Garwah ...	3·13	2·00	...	0·28	...	...	...	...	...	0·65	...	...	...	...	0·48	1·30	1·05	1·16	0·70	...
	Singbhoom ...	Chyebassa ...	0·36	1·03	0·40	...	0·28	0·33	...	...	...	0·06	0·22	...	0·14	0·09	0·92	...	0·50	0·04	0·63	3·50
		Chakradharpore.	0·59	2·08	...	...	...	1·87	...	...	1·03	1·18	...	...	0·07	1·09	1·08	...	0·15	0·34	0·95	5·29
		Ghatsila ...	2·70	1·13	...	0·50	...	0·30	0·00	...	...	...	0·45	0·05	0·05	0·18	0·10	...	...	0·15	4·40	2·80
		Baharagura...	1·23	1·25	0·62	...	...	1·41	...	...	...	...	...	...	1·35	0·52	...	...	...	1·22	4·37	2·40
	Manbhoom ...	Purulia ...	1·33	2·32	0·36	...	0·19	0·63	0·70	0·47	0·69	0·04	0·50	...	0·14	0·31	0·16	0·09	...	1·85	0·98	1·40
		Gobindpore ...	0·72	0·34	0·13	...	0·65	...	...	0·90	...	0·06	0·07	0·12	0·10	0·22	0·23	1·13	0·91	0·28	0·38	0·39
		Raghunathpore.	0·24	0·73	0·97	...	0·20	0·10	1·19	...	0·50	...	0·16	...	0·20	0·49	0·38	0·45	...	3·12	0·65	0·75
		Barrabhoom...	0·80	1·65	0·45	...	...	0·50	0·03	0·40	...	...	0·37	...	0·08	0·30	0·25	0·30	1·50	3·05	1·50	1·90
		Jhalda ...	...																			
		Chas ...	...																			

in Bengal for the month of July 1888—*concluded.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st July 1888.	Average rainfall from 1st January up to 31st July 1888.	Station.	District.	Meteorological division.
0·61	0·19	...	2·36	0·11	0·06	0·04	0·38	0·08	0·78	...	22	17·3	12·11	11·67	2·38	16·68	8·36	Buxar ...	Shahabad.	SOUTH BEHAR.
0·35	......	...	0·39	...	...	0·03	...	0·30	0·33	0·37	21	17·6	15·90	11·65	3·55	20·17	18·06	Dehree.		
...	......	...	...	0·90	...	...	...	...	2·30	...	12	15·0	13·37	12·37	2·30	16·54	20·42	Bhuboosah.		
0·34	......	1·37	0·75	...	0·90	0·40	...	0·49	0·25	0·20	18	17·9	14·18	11·58	3·90	16·32	19·15	Sasseram.		
0·20	0·07	0·45	2·10	0·10	0·19	1·25	0·40	0·75	1·05	...	25	17·8	17·90	12·62	2·10	20·21	22·96	Arrah.		
...	......	...	0·50	...	...	0·50	...	...	...	...	9	?	8·23	?	2·70	12·73	?	*Mohaniah.*		
0·13	......	...	2·24	0·07	...	...	...	...	3·65	...	14	15·4	22·04	12·39	3·35	25·90	20·79	Arungabad ...	Gya.	
0·50	0·11	...	2·09	0·24	0·10	0·58	0·02	0·75	...	...	21	19·4	10·09	11·31	2·09	15·12	20·66	Gya.		
1·07	0·84	...	0·14	0·74	1·83	...	0·64	3·69	0·27	...	21	14·8	14·89	11·87	3·69	18·14	21·07	Nowadah.		
...	0·43	...	0·05	0·18	0·55	0·65	0·36	1·90	0·33	...	18	14·5	12·07	12·23	2·11	16·31	20·41	Jehanabad.		
...	0·12	...	1·11	0·06	...	0·48	...	1·46	...	0·10	14	?	10·61	?	2·17	14·77	?	*Arwal.*		
...	0·70	...	2·00	0·04	...	...	0·75	0·21	2·05	...	15	?	16·58	?	5·16	18·48	?	*Daudnagar.*		
							...	...	2·10	0·20		?		?	...		?	*Sheerghati.*		
							...	...	...	...		?		?			?	*Rajauli.*		
...	......	0·19	1·75	2·00	0·30	...	...	2·35	...	...	14	?	11·75	?	2·35	18·87	?	*Pakri Barawan.*		
0·09	0·32	0·74	...	0·50	3·15	0·19	0·30	0·58	0·05	0·04	24	18·1	15·14	10·60	3·15	19·60	20·83	Patna ...	Patna.	
0·02	0·21	0·96	...	0·46	2·82	0·35	0·47	0·51	0·25	...	19	16·2	17·60	11·71	2·82	24·04	21·06	Dinapore.		
...	......	...	1·88	1·21	2·56	...	1·29	1·47	0·39	...	19	18·4	20·97	13·04	2·81	24·12	23·12	Behar.		
0·20	1·00	...	0·12	5·90	5·10	0·10	1·40	1·60	...	...	21	15·2	21·42	12·73	5·90	24·62	21·29	Barrh.		
...	0·25	...	1·40	...	0·30	0·45	0·95	0·70	0·40	...	14	?	11·10	?	2·40	14·50	?	*Bickram.*		
0·13	0·07	...	0·20	1·78	2·70	0·08	0·50	0·80	...	...	20	?	13·62	?	2·70	17·85	?	Hilsa.		
0·11	0·28	...	0·13	1·57	6·50	0·24	1·09	0·70	...	0·03	24	16·8	16·36	11·39	6·50	20·47	21·44	Begooserai ...	Monghyr.	
0·26	0·67	0·23	...	2·27	4·67	0·38	4·39	0·16	...	0·09	26	19·4	24·95	11·72	4·67	30·05	22·40	Monghyr.		
...	1·12	...	0·65	1·31	0·54	...	0·32	1·30	0·07	0·75	22	18·1	18·16	12·30	2·11	19·26	23·02	Jamui.		
1·15	......	0·40	1·30	1·75	2·15	...	..	1·15	...	...	19	?	21·17	?	3·15	26·90	?	*Gogri.*		
...	......	...	0·15	2·05	5·10	...	2·50	2·75	...	...	16	?	22·21	?	5·10	26·85	?	*Sheikpura.*		
0·45	......	0·60	...	4·00	1·47	0·05	0·24	4·15	0·10	0·08	23	18·8	23·73	11·56	4·15	31·97	24·74	Bhagulpore ...	South Bhagulpore.	
0·03	0·33	2·35	...	0·11	1·21	0·25	...	0·63	0·15	0·08	23	18·0	10·08	10·42	2·35	14·34	22·48	Banka.		
0·59	......	0·78	...	1·50	2·12	1·06	0·10	3·08	0·14	0·14	16	?	19·38	?	3·80	29·02	?	*Kolgong.*		
1·32	0·20	0·46	0·21	0·56	1·06	...	0·17	0·65	0·27	0·57	24	16·5	12·77	12·91	1·32	18·96	20·88	Rajmehal ...	Sonthal Pergunnahs.	
0·01	0·01	0·41	0·28	2·41	3·84	0·13	0·11	0·65	...	0·31	28	17·4	13·17	11·21	3·34	21·93	23·34	Godah.		
1·25	......	0·05	0·54	2·99	0·98	0·11	0·65	0·45	0·85	0·54	27	17·7	20·75	12·87	2·99	31·44	30·51	Pakour.		
0·31	0·01	...	0·57	0·81	0·21	0·01	...	1·52	0·17	1·82	26	24·2	12·39	13·49	1·82	21·10	28·91	Nya Doomka.		
0·39	0·15	0·04	...	2·53	0·26	0·28	...	0·92	0·15	0·28	29	21·7	16·95	13·64	2·58	23·89	27·31	Deoghur.		
0·24	......	...	3·15	...	0·24	...	...	2·64	0·96	0·67	19	20·4	17·34	13·54	3·15	27·33	27·16	Jamtara.		
0·31	1·35	...	...	0·85	0·84	0·05	0·84	0·92	0·25	...	20	?	14·22	?	2·15	?	?	*Mohagama.*		
0·12	......	1·11	0·69	0·35	0·61	...	0·12	...	0·39	0·09	18	?	8·31	?	1·11	14·38	?	*Nanihat*		
0·15	0·75	0·04	2·50	0·21	0·03	1·15	1·75	0·64	0·45	0·37	29	22·3	16·73	13·29	2·50	22·72	25·75	Pachamba ... (*Giridi*).	Hazaribagh ...	CHUTIA NAGPUR.
0·31	1·63	0·50	0·70	0·19	0·57	0·21	...	0·64	0·07	1·33	29	24·3	20·76	13·01	3·65	25·26	28·00	Hazaribagh.		
...	0·15	0·53	0·77	0·50	..	...	3·62	...	1·00	1·72	25	19·6	22·63	12·85	3·62	25·72	25·73	Semtagurah.		
0·17	0·51	0·23	0·20	0·27	0·84	0·10	2·15	0·48	0·21	0·19	25	17·6	12·67	12·42	2·15	19·15	23·50	Mahudi Hills.		
0·50	......	0·30	2·00	0·10	0·80	0·40						22·4						Jhoomrah Hills		
0·73	1·00	...	3·33	0·14	0·23	...	...	2·05	0·30	...	17	?	21·93	?	6·40	25·09	?	*Barhi.*		
0·54	......	0·50	2·84	0·55	...	...	...	0·12	0·50	0·33	20	?	23·23	?	4·95	28·35	?	*Chatra.*		
...	......	...	0·70	...	...	0·40	...	..	1·03	...	14	?	13·97	?	3·00	18·61	?	*Karagdeha.*		
0·46	......	0·70	1·00	0·06	0·50	...	...	0·20	...	0·40	18	?	11·76	?	2·95	17·06	?	*Ramghar.*		
0·58	0·08	0·11	2·46	0·10	0·20	0·16	0·17	...	0·59	1·66	28	23·3	15·89	13·01	2·50	23·77	25·74	Lohardugga ...	Lohardugga.	
0·17	......	1·30	0·14	..	...	0·84	...	...	0·22	1·08	21	22·2	18·66	12·42	5·60	26·55	26·15	Ranchi.		
1·15	0·64	0·23	2·03	0·09	0·57	0·03	0·05	...	1·00	1·07	24	19·5	19·13	12·91	3·50	24·29	21·38	Palamow.		
...	......	...	1·00	...	1·80	...	0·40	...	0·30	...	8?	?	8·78?	?			?	*Silli.*		
...	......	0·94	0·35	...	0·53	...	...	...	0·60	1·00	16	?	18·00	?			?	*Balumat.*		
												?		?			?	*Hoseinabad.*		
...	0·22	0·43	4·45	...	...	...	...	1·83	...	0·43	14	?	18·18	?	4·45	22·63	?	*Garwah.*		
0·48	......	...	...	1·04	0·55	...	...	...	1·07	0·36	19	21·7	12·06	14·00	3·50	21·04	29·29	Chyebassa ...	Singbhoom.	
0·27	......	...	...	0·57	1·09	0·35	...	1·02	1·25	1·75	19	?	23·12	?	5·20	33·91	?	*Chukradharpore.*		
0·41	......	0·55	3·02	2·20	...	...	...	0·48	2·04	1·54	20	?	23·14	?	4·40	31·58	?	*Ghatsila.*		
0·49	0·09	...	1·44	0·84	...	...	...	...	0·58	0·60	15	?	18·47	?	4·37	34·79	?	*Baharagura.*		
0·11	......	...	5·89	0·15	0·70	2·55	...	1·00	2·48	0·35	25	21·5	20·47	11·44	2·55	29·89	26·03	Purulia ...	Manbhoom.	
0·13	0·03	0·10	0·34	...	0·02	0·19	0·93	1·78	0·28	0·29	26	21·2	10·69	11·87	1·78	15·73	23·33	Gobindpore.		
0·25	......	...	0·03	0·10	0·75	0·23	...	1·20	3·25	0·25	23	?	16·19	?	3·25	23·96	?	*Raghunathpore.*		
0·55	......	...	0·31	0·20	2·25	...	...	0·53	0·94	1·05	23	?	18·01	?	3·05	26·99	?	*Barrabhoom.*		
												?		?			?	*Jhalda.*		
												?		?			?	*Ohas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, DURING THE MONTH OF JULY 1888.

The month of July in Bengal is one of the most important of the whole year from a meteorological point of view, for it is the first complete month of the actual monsoon period. It is generally the case that the complete establishment of the two great branches of the monsoon current does not take place till quite the end of June or beginning of July, and usually the rainfall in the Lower Provinces in July is heavier than during any other month of the year. Another reason why the meteorology of this month is important is that the distribution of the rains in July generally gives a rough indication of the probable distribution of the rainfall during the whole of the monsoon period.

The circumstances and conditions of the establishment of the south-west monsoon have been dealt with in previous reports, and it has been pointed out that, while during June the rainfall in Bengal is usually almost entirely brought up by the Bay of Bengal monsoon current, at the end of this month, or commencement of July, the conditions change, and the Bombay branch of the monsoon, blowing from the Indian Ocean and the Arabian Sea, advances slowly across Central India and the Central Provinces, and makes its influence felt in Bengal, and particularly in the western districts of the province. In its forward progress the Bombay current meets the Bay of Bengal monsoon current, and the interaction between the two currents gives rise to ascensional motion, which, according to well-known physical laws, causes condensation of the aqueous vapour in the form of rain. The Arabian Sea branch of the monsoon current therefore exercises a considerable influence on the rainfall in Behar, Chutia Nagpur and Bengal generally during July.

The Bay of Bengal current, if it alone prevailed, as is usually the case in June, would undoubtedly deposit the greater part of its vapour as rain in the neighbourhood of the sea coast, and along the areas nearest to the hills in the east and north of the province. The interaction between the two branches of the monsoon current is undoubtedly greatest in the western districts of the province, and therefore tends to give heavier rainfall to Chutia Nagpur, South Behar and West Orissa, or to those parts of the province which would receive the smallest amounts of rain from the direct action of the Bay of Bengal branch; that is, the combined effect of the two branches is to produce in normal years a fairly uniform rainfall over the whole province. The amount of the interaction between the two branches of the monsoon current will depend on two things—first, on the relative strengths of the two currents; and second, on the position or direction in which the currents meet, for as the Bengal current is changed by the physical configuration of the country over which it is flowing from a south-westerly wind at the head of the Bay, first into a southerly, then into a south-easterly, and finally into an easterly current, it is evident that interaction with the westerly current will be more marked in Behar, where the Bay of Bengal current is easterly, than it will be in Orissa, where it is south-westerly. Thus in normal years the rainfall in the western parts of Behar and of Chutia Nagpur is practically entirely brought about by the interaction above described.

It must, however, be remembered that the south-west monsoon winds are by no means steady. They blow vigorously for a few days, giving more or less general rain, and then fall off in strength, when the rainfall becomes local. A fresh inrush of winds then occurs, followed by general rainfall with subsequent lulls as just described. It is during these periods of comparative calm that conditions become favourable for the generation of small cyclonic storms, which in most cases are formed near the head of the Bay, though they also, but more rarely, may form over the land. With the advance of these cyclonic storms heavy rain generally occurs, and it depends to a great extent on the character of these small storms or atmospheric whirls, that is, whether they are of concentrated or of diffused nature, whether the rainfall which accompanies their advance falls only near the path of the storm, or whether it is widely diffused over a large portion of the province. With the advance of these storms strong humid winds generally set in over the whole province, giving rise to general rain for some days. The precise conditions which determine the formation of these storms are, however, not clearly understood, and while in some years a constant succession of such storms will occur, in other years they may be almost absent, or at all events very few of any importance occur.

It will thus be seen that the meteorological conditions of July depend mainly on two points—first, on the character and intensity of the two monsoon currents from the Bay of Bengal and Arabian Sea; and second, on the occurrence, nature and paths of the small cyclonic storms which frequently occur in the rainy season.

Average distribution of the rainfall in July.—Two lines of maximum normal rainfall may be traced in Bengal during July. The first line is more or less parallel to the sea coast, and is caused by the humid winds from the Bay of Bengal. The second line of maximum rainfall is more or less parallel to the hill ranges in the east and north of the province, and this is accounted for by the well-known fact that these ranges cause ascensional motion of the Bay of Bengal current, and consequent precipitation of heavy rainfall. The line of 20 inches average rainfall in July runs through the Eastern Bengal districts at some little distance from the coast line, the distance from the coast increasing as it runs to the eastward; the second line of 20 inches average rainfall is found along the Darjeeling Hills, running almost east and west. The line of 15 inches average rainfall starts from Saugor Island and runs in an easterly direction parallel to the first-mentioned

line till near the Tipperah Hills, when it suddenly turns in a north-westerly direction finally passing through Bogra and Dinagepore, where it is more or less parallel to the line of 20 inches in the Darjeeling Hills. The line of 12 inches average rainfall runs from Motihari in Northern Behar almost due south-east parallel to the 15-inch line to Rajmehal, and thence through Jessore along the borders of the Chutia Nagpur district into South Behar. Inside this area of average rainfall of less than twelve inches there are two areas of considerable interest. The first is the area of minimum rainfall of the month, which embraces the Jessore district, some parts of the Nuddea and Burdwan districts, as well as the Rajshahye district. This minimum fall is explained by the fact that this portion of Bengal is not influenced by either of the three causes which tend to produce increased rainfall: namely, it is not near the coast line when the humid winds expend their first force; it is not near any hill ranges where ascensional air motion will take place; and third, it is not under the influence of the interaction between the two branches of the monsoon current as previously described. The other area of interest is one of increased precipitation near Patna. The Chutia Nagpur Division receives during the month a normal rainfall of between twelve and fifteen inches, and this comparatively large amount is evidently produced by the interaction of the two branches of the monsoon current over this district.

Meteorology for the month.—In the report for the previous month it was stated that the monsoon rains had commenced over almost the whole of the province between the 27th and 29th of June, that is, about a fortnight later than usual. The falls up to the 29th of the month in Orissa and parts of Behar had been rather scanty, but over the remainder of the province general and moderately heavy rainfall had been received. On the whole, however, at the end of June conditions appeared to be fairly normal, but at the commencement of July the monsoon conditions became intensified by the formation of a small barometric depression.

Feeble barometric depression of July 1st to 4th.—On the 1st July, owing to a fall of the barometer, a distinct area of low pressure was formed over part of Behar and West and Central Bengal, and the lowest pressures recorded were at Ranigunge and Bhagulpore. Wind directions also showed on this day that there was a large amount of interaction taking place over the western and central parts of the province, and this was accompanied by very heavy rainfall. On the 2nd, pressure again fell at the central stations in Bengal, and the low-pressure area became more sharply defined, and a decided cyclonic circulation of winds was set up which affected the wind directions of the greater part of the province. On this day the centre of the depression was apparently between Berhampore and Ranigunge, and again heavy rain was received at many stations. On the 3rd the small depression had advanced in a north-westerly direction, and it had almost passed out of the province, and its centre was apparently to the west of Buxar and Dehree, though the western stations in Behar still showed distinctly the influence of the feeble storm. The wind circulation accompanying the depression had advanced with it, and its influence in Bengal had diminished rapidly, though again on this day moderate to heavy rain was received. The depression subsequently advanced into the North-West Provinces, where it filled up and disappeared.

On the 4th ordinary monsoon conditions obtained in Bengal, and there were no points calling for comment; but on the 5th instant again a distinct tendency to cyclonic circulation of winds appeared over parts of Western and Central Bengal, and on the morning of the 6th the circulation had been transferred to the south of Chutia Nagpur, though no definite barometric depression appears to have formed in connection with it. The existence, however, of this wind circulation again rendered conditions favourable for the production of rainfall, and moderate general rain was received in all districts except Orissa From this date conditions continued of ordinary monsoon character up till about the morning of the 10th, when the observations generally showed that the monsoon current blowing at the head of the Bay was falling off in strength, though conditions still fairly were normal. At this time the second depression of the month was formed, and this was decidedly the most influential of all the storms generated during July, and in the Bay it gave rise to an exceedingly heavy sea and a fierce gale. The history of this small storm is shortly as follows:—

Small cyclonic storm of July 11th to 15th.—On the 11th a rather rapid fall of pressure took place across the centre of the Bay, and winds began to show a slight tendency to cyclonic circulation over the same area. On the morning of the 12th these conditions had developed into a decided barometric depression accompanied by a well-marked cyclonic circulation of winds, though the velocities registered at the coast stations were small, On the morning of this day the centre of the small storm was probably a considerable distance from land and about south-east of Gopalpore, and all the ports on the west coast from Balasore down to Coconada were at this time warned of the existence of the storm in the Bay. During the evening of the 12th the observations received indicated that the storm had intensified slightly, and that it was approaching the land in the direction of the South Orissa coast, and at 4 A.M. on the morning of the 13th, the appropriate storm signals were hoisted in the port of Calcutta and in the river Hooghly, signifying that the storm would cross the coast to the south of False Point. The ports on the west coast were also warned of the movement of the storm at the same time. At 8 A.M. of the 13th the centre of the small storm was approaching the coast between Pooree and Gopalpore, and during the evening and night of the same day the centre crossed the coast between these two stations. Between midnight and one o'clock in the morning of the 14th, the ports on the west coast were again informed that the storm was passing inland, and the storm signals in the river and the port of Calcutta were lowered. The centre of the small storm on the morning of the 14th was

to the west of Cuttack, and during the following 24 hours it advanced rapidly into Bundelkhund, where it became much more feeble, and the cyclonic circulation of winds to a great extent disappeared, and where the storm afterwards filled up.

At no time did the storm appear to be a very fierce one as judged by the wind velocities, or by the fall in the barometric presure at the coast stations, though a most complete cyclonic circulation of winds accompanied the storm, but at sea rather bad weather undoubtedly existed. The log of the *City of Cambridge* has been kindly placed at the disposal of the Meteorological Office, and this steamer in her course from Ceylon to Calcutta passed through the south-east and east of the storm area, but probably at some considerable distance from its centre. The following are some portions of the description of the weather experienced by this vessel in her passage up the Bay:—On the 12th July.—"Very high sea getting up. Fierce squalls. Sea very heavy. 13th July.—Heavy gale with fierce squalls, very heavy sea, and later on wind and sea moderating. 14th July.—Hard squalls. Heavy sea. 8 P.M. arrived at Saugor." The *Tibre* also in her passage down the Bay at the same period reports having experienced very heavy weather, with a strong gale and an extremely high sea. It is therefore evident that the small storm was decidedly fierce at sea, though as it passed over the land it appeared to be comparatively feeble.

During the formation and existence of the small storm, as is usually the case, the rain-bearing winds were deflected from Bengal by the cyclonic circulation which had been set up, and though rainfall was probably heavy over the sea area, it was light over the large part of the province, but with the advance of the storm inland a strong monsoon current then set in over the coasts of Bengal and Orissa, and good general rain was received, the rainfall being decidedly heavy in many instances.

On the 15th a steady south-easterly and easterly monsoon current was reported over the whole province, but on the 16th the westerly winds blowing across Central India decidedly increased in force, and westerly and south-westerly winds partly drove back the south-easterly current previously obtaining, causing a considerable amount of interaction in the west of the province, and in addition a slight circulation of winds was set up over Central Behar, which gave rise to general heavy rainfall in all the western districts. On the 17th conditions were unchanged, but on the 18th they became distinctly disturbed over the west of the province and a third feeble storm was generated.

Feeble depression of July 18th to the 23rd.—On the 18th July a feeble low-pressure area existed which stretched from the north-west angle of the Bay through West Bengal into Chutia Nagpur and Behar. To the west of this area northerly winds obtained, and to the east southerly and south-easterly winds, showing a distinct tendency to cyclonic circulation. These conditions still further developed during this day, and on the morning of the 19th a distinct barometric depression had formed over part of South-West Bengal and the head of the Bay, the centre of the depression being close to the Sunderbuns and to the south-east of Saugor Island. The small storm was accompanied by a very distinct cyclonic circulation of winds, but the wind force was not large at the coast stations, though probably over the greater part of the northern half of the Bay, squally weather and strong winds obtained, and the Pilot Brigs at the Sandheads seem to have experienced a hard gale of wind. During the afternoon of the 19th the small storm advanced over the land in a north-westerly direction, the centre passing close to Saugor Island between 2 and 4 P.M., and on the morning of the 20th the centre was near Midnapore and slightly to the west of it. During the 20th the north-westerly advance of the depression continued, and on the 21st it was near Benares. It then travelled slowly westward, and on the 22nd was near Allahabad, and it had also considerably reduced in size and intensity, and on the morning of the 23rd it had almost filled up, though there were still signs of its existence between Allahabad and Jhansi.

With the inland advance of the small storm a very strong monsoon current set in over the province, and during the 24 hours from 8 A.M. of the 20th to the 21st, wind velocity at Saugor Island averaged no less than 38 miles an hour, which almost amounts to a gale of wind, and for several days strong winds continued to blow in the north-west angle of the Bay. Conditions then continued of almost normal monsoon character up 'till the 28th, and the only change noticeable was the gradual strengthening of the westerly element in the wind directions until the 25th, when westerly winds were reported in all districts except North Bengal and over parts of East Bengal. In these districts, however, winds were still easterly, and this gave rise to a considerable amount of interaction between the two opposing wind systems, with the usual result that very heavy rain was reported over the greater part of the province; and on this day the following heavy falls were received:—Muraria (Beerbhoom district), Chooadanga, Azimgunge, Harrishpore (Noakholly district), and Bhagulpore between four and five inches, and Krishnaghur, Cox's Bazar, Fenny, and Durbhunga between five and six inches. On the 26th the westerly winds were again partially driven back, and on the 27th the easterly current again strengthened, and westerly winds were confined to the south-west and west of the province, when again at this time another depression was formed.

Feeble depression of 29th July to 2nd August.—On the 28th ordinary monsoon conditions obtained, but on the 29th an extremely feeble low-pressure area was developed over part of West and South-West Bengal which was accompanied by a distinct cyclonic circulation of winds, the centre of the circulation being near Burdwan. On the 30th the feeble low-pressure area had almost disappeared, but on the 31st it was again distinctly marked over West Bengal, the centre of the depression and of the accompanying cyclonic circulation of winds being near

Bankoora. The depression afterwards advanced in a north-westerly direction, and on 1st August it was in Behar, the centre being near Gya, and on the morning of the 2nd the depression had passed out of the province and had disappeared.

Again, with the advance of the small depression through the western districts heavy rain was received at the western and central stations of the province, though the falls are comparatively small in the northern districts.

It will thus be seen that no less that four barometric depressions were formed during the month, two being land-formed depressions and two being formed over the Bay. The latter were of moderate intensity, but only one of them gave really bad weather at sea.

As the result of the conditions above described, rainfall has been distinctly in excess of the normal in all districts except Orissa, and even in this district the fall has equalled about five-sixths of the usual amount.

Strength of the monsoon.—The strength of the monsoon current blowing from the Bay over Bengal from year to year can only be judged by the wind velocities at the coast stations. In the table below are given the actual daily wind velocities for July compared with the normal values for the same period at all the stations on and near the coast line from Diamond Island round to Gopalpore, at which wind observations have been made for a sufficient length of time to give a reliable average. Of the ten stations representing the coast line of practically the whole of the province, six show wind velocities considerably in excess of the normal, while at four only have velocities been smaller than usual. The stations at which the defects have been registered are in the south and south-east of the province as represented by such stations as Chittagong, Dacca and Jessore, but at Saugor Island, on the other hand, velocities have been largely in excess of the normal. Taking into consideration both the cases of defect and excess, it would therefore appear that on the average the strength of the monsoon current has been about equal to that in former years :—

	Actual average wind velocity for July 1888. Miles per day.	Normal wind velocity in July. Miles per day.	Variation of actual for July 1888 from the normal.
Diamond Island	233	210·3	22·7
Akyab	123	88·9	34·1
Chittagong	137	173·	36·0
Dacca	139	175 7	36·7
Jessore	93·3	112·2	18·9
Calcutta	129	127·5	+ 1·5
Saugor Island	469	339·9	+129·1
Cuttack	76	78 5	— 2·5
False Point	315	249·2	+ 65·8
Gopalpore	420·0	274·0	+146·0

Pressure.—The actual variations of pressure in different districts of the province during the month have to a great extent been governed by the general meteorological conditions above described. In the first week of the month the general average pressure was 0·029 inch in defect of the normal. In the second week the general mean pressure of Bengal was 0·012 inch in defect, but in the south-western districts, which were affected by the passage of the cyclonic storm, the defect was about 0·04 inch. In the third week pressure was again generally below the normal, the defects being largest in the south-western districts, where they equalled about 0·04 inch, though over the whole province the defect was not much larger than 0·02 inch, and this general defect remained almost unaltered till the end of the month. The average pressure of the whole province for the month has therefore been in defect of the normal by 0·014 inch. In Assam pressure has been below the normal by 0·006 inch.

Temperature.—Except in Orissa, where temperature has been in excess of the normal for the greater part of the month, the variations of temperature from the normal have been generally small, and in most instances the temperatures recorded have been below the normal. In Orissa the mean temperature for the month has been in excess by about one degree, and in North Behar there has been an almost corresponding defect, while in other districts the variations are generally less than half a degree. For the whole province the mean temperature for the month has been 0·3° below the normal. In Assam the temperature has also been below the normal, and the defect is 0·8°.

Rainfall.—So far as can be judged by the general meteorological conditions as described in the summary, the strength of the two great branches of the monsoon current has been about equal to the normal, and thus conditions generally have been favourable for rainfall. The effect of these conditions has been increased by the formation of the four barometric depressions also previously described, and which have brought up heavy rain over a large part of the province. The actual average falls in the various large meteorological districts have varied from about ten inches in Orissa to nearly twenty inches in East Bengal. All districts except Orissa show falls equal to or in excess of the normal, and the general result in all

these districts has been to show that rainfall has been about 20 to 30 per cent. in excess of the normal, while in Orissa the fall has been in defect by about 20 per cent. If it be assumed that the seven meteorological districts have an equal value in the calculation, then the average rainfall of the whole of Bengal for July may be said to have been in excess of the normal by 18 per cent.

The comparison of the actual rainfall of the various great divisions of the province during July with the normal is most accurately shown in the form of a percentage. The figures representing the rainfall for the month, calculated in this way, are included in the table below under the heading of July. This table really gives a condensed summary of the rainfall statistics of the present year up to date for each meteorological division, the first seven columns giving the actual rainfalls in each division in each month expressed as a percentage of the normal, while the eighth column of figures shows the actual rainfall for the first seven months of the year expressed as a percentage of the normal for the period; the figure 100 will therefore in this table represent a normal rainfall, a number larger than 100 an excess fall, and so on :—

	January.	February.	March.	April.	May.	June.	July.	Actual rainfall of first seven months of 1888 expressed as a percentage of the normal fall for the period.
Orissa	410	193	41	46	92	80	81	71
South-West Bengal	207	125	67	141	62	57	131	95
East Bengal ..	258	100	119	221	90	53	120	10•
North Bengal ...	62	72	123	180	95	60	100	91
North Behar ...	79	4	132	348	102	61	130	107
South Behar ...	157	17	19	69	59	89	135	94
Chutia Nagpur ...	255	104		21	39	30	128	84

The variations of the actual rainfalls in July in different districts of the province have been excessive. Thus the largest falls recorded have been in the Chittagong and Noakholly districts of South-East Bengal, where Cox's Bazar has received 61·25 inches, Kutubdia 42·13 inches, Hurishpore 45·24 inches, and Fenny 35·47 inches; while in North Bengal heavy falls have been recorded in the Darjeeling and Julpigoree districts, where Buxa reports 42·92 inches, Darjeeling 39·42 inches, Julpigoree 35·75 inches, and Kalimpong 32·61 inches. The smallest falls on the other hand have been received in some of the districts in Orissa and over an area lying almost east and west across the centre of the province. These comparatively small falls are represented at such stations as Pooree which has only received 3·51 inches during the month, and by such stations as the following which have received falls of about 8 inches or less:—Khurdah and Banpur in the Pooree district; Kendrapara, Salipur, and Cuttack in the Cuttack district; Nanihat in the Sonthal Pergunnahs district; Mohania in Shahabad; Siuhar in Mozufferpore district; Ulipore, Rungpore, and Bhowanigunge in the Rungpore district; Baloorghat in the Dinagepore district; Beauleah in the Rajshahye district Bogra, Nasirnagar, and Kasba in the Tipperah district; and Agartolah in Hill Tipperah. It will thus be seen that though the general distribution of the rainfall resembles the normal in being heaviest in the south-east and north of the province, yet there are decided differences from the normal in the actual falls. Over a district in the east and north-east of the province, and in the extreme south-western districts generally rainfalls have been decidedly below the normal, and in some cases the defects are large. On the other hand the falls have been in excess of the normal over an area including a considerable part of South-East and South Bengal, and stretching in a north-westerly direction, so as to include the whole of the centre of the province, Chutia Nagpore, Behar, and parts of North Bengal. The actual amounts of the variation from the normal are at many stations large, and thus at Rungpore, the fall has been 7·9 inches in defect of the normal, at Mymensingh 6·59 inches, at Pooree 6·40 inches and at Saugor Island 6·46 inches; while an excess fall of no less than 19·94 inches is reported at Cox's Bazar, and falls more than 10 inches in excess at Ranaghat, Khoolna, Bongong, Noakhally, Patuakhally, Kalimpong, Monghyr, and Bhagulpore.

The following table gives full data for the comparison of the actual and the normal rainfall for the month of July in all districts of the province of Bengal. The figures are derived from the actual and the average rainfall of the rain-recording stations in each district, due allowance or weight being made for the area which each station represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in each district. The third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states as a percentage how much the district rainfall of the month has varied in excess or defect from the normal rainfall, and is hence the difference between the numbers in the third column and 100 :—

Division.	District.	Normal district rainfall, July	Actual district rainfall, July 1888.	Percentage of actual to normal rainfall.	Percentage excess (+), deficit (−)
Orissa	Pooree	10·65	4·95	47	—53
	Cuttack	12·20	9·17	75	—25
	Balasore	12·20	10·63	87	—13
South-West Bengal	Midnapore	13·76	19·24	140	+40
	24-Pergunnahs	12·97	14·00	108	+8
	Howrah	13·13	12·68	97	—3
	Hooghly	12·71	18·56	146	+46
	Burdwan	11·80	15·70	133	+33
	Bankoora	13·12	14·85	113	+13
	Beerbhoom	12·85	17·55	137	+37
	Nuddea	10·48	17·69	169	+69
	Khoolna	13·45	17·83	133	+33
	Jessore	10·55	14·61	138	+38
	Moorshedabad	11·00	13·73	125	+25
East Bengal	Chittagong	28·52	40·31	141	+41
	Backergunge	18·78	24·17	129	+29
	Noakholly	21·82	34·37	158	+58
	Furreedpore	12·49	15·96	128	+28
	Dacca	13·84	18·27	132	+32
	Commilla	15·27	13·08	86	—14
	Mymensingh	13·55	12·46	92	—8
North Bengal	Pubna	10·83	12·67	117	+17
	Bogra	13·69	9·28	69	—31
	Rajshahye	11·82	12·76	108	+8
	Maldah	11·50	11·92	104	+4
	Dinagepore	12·14	14·01	1 5	+15
	Rungpore	13·90	10·18	75	—25
	Cooch Behar	20·09	18·79	94	—6
	Julpigoree	26·06	35·75	137	+37
	Darjeeling	30·36	39·42	130	+30
North Behar	Purneah	15·47	18·25	118	+ 8
	North Bhagulpore	11·61	19·11	165	+65
	Durbhunga	11·50	14·59	126	+26
	Mozufferpore	11·26	17·24	153	+53
	Chumparun	12·12	15·65	129	+29
	Sarun	11·41	12·85	113	+13
South Behar	Shahabad	11·97	14·52	121	+21
	Gya	11·83	14·53	123	+23
	Patna	12·12	19·02	157	+57
	Monghyr	11·89	18·52	155	+55
	South Bhagulpore	10·91	15·93	146	+46
	Sonthal Pergunnahs	12·97	15·70	121	+21
Chota Nagpur	Hazaribagh	13·10	19·12	149	+49
	Lohardugga	12·91	17·27	134	+34
	Singbhoom	14·00	12·06	86	—14
	Manbhoom	11·53	18·51	160	+60

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological divisions of the Province for the month of July 1888:—

Meteorological Divisions.	Temperature.						Rainfall.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	96·4	74·1	88·9	70·3	84·1	+0·0	10·18	12·59	—2·41	17·0	18·0	—1·0	16·12	23·61
South-West Bengal	95·1	71·4	89·5	78·7	84·1	+0·2	15·71	12·00	+3·71	21·5	19·9	+1·6	23·72	24·62
East Bengal	91·3	75·0	86·2	77·9	82·1	—0·3	19·60	16·34	+3·26	23·6	22·3	+1·3	[illegible]	[illegible]
North Bengal	95·9	68·8	89·2	78·0	83·6	—0·4	14·03	14·01	+0·02	21·2	18·4	+2·8	[illegible]	[illegible]
North Behar	94·2	71·8	88·9	78·3	83·6	—1·2	16·11	12·37	+3·74	19·9	15·7	+4·2	[illegible]	[illegible]
South Behar	95·5	71·8	89·2	78·6	85·9	—0·6	16·22	12·02	+4·20	21·9	17·8	+4·1	20·07	[illegible]
Chota Nagpur	90·0*	70·9*	83·6*	73·1*	78·4*	—0·5*	16·76	13·13	+3·63	25·0	21·4	+3·6	23·12	23·14
Assam	96·6	75·3	88·7	77·7	83·2	—0·8								

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 14th August 1888.

A. PEDLER.
Offg. Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. — Air pressure. — Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. — Prevailing direction.	Mean wind velocity.	Temperature. — Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree	29·557	29·569	—	Calm	278·0	92·2*	5th Aug.	75·1*	6th Aug.	88·2*	79·3*	83·8*	—	80·9
		Gopalpore	29·527	29·577	—·104	SSW	274·0	89·2	4th ,,	77·8	6th ,,	85·9	80·7	83·3	—0·3	83·8
		False Point	29·542	29·563	—·086	W	216·0	90·0*	4th ,,	76·1*	5th ,,	86·4*	78·0*	82·2*	—0·3	83·6
	Cuttack	Cuttack	29·479	29·560	—·082	Calm	51·0	93·9	4th ,,	78·4	6th & 10th Aug.	89·0	79·3	84·2	+0·5	83·7
	Balasore	Balasore	29·500	29·559	—·091	SSW	101·7	93·4	4th ,,	75·7	5th ,,	89·3	77·7	83·5	+0·8	85·4
South-West Bengal.	South-West Midnapore; South 24-Pergunnahs	Saugor Island	29·530	29·556	—·026	Southerly	278·0	91·6	8th ,,	78·5	9th ,,	89·8	81·2	85·5	+1·9	84·9
	Midnapore	Midnapore	29·428	29·578	—·074	NE	64·1	93·3	4th ,,	77·3	5th ,,	90·6	78·7	84·7	+1·3	84·7
	24-Pergunnahs; Howrah; Hooghly	Calcutta	29·535	29·556	—·046	E	144·0	92·5	4th ,,	78·7	6th & 9th Aug.	89·9	79·4	84·7	+1·9	85·4
	Burdwan	Burdwan	29·458	29·557	—·063	E	60·5	94·6	4th, 6th & 7th Aug.	79·4	7th & 10th Aug.	92·7	80·4	86·5	+2·5	85·4
	Bankoora	Bankoora	29·2·3	—	—	Easterly	112·0	95·6	4th ,,	73·0	7th ,,	90·5	79·1	84·8	—	85·8
	Beerbhoom; West Burdwan	Raneegunge	29·231	29·575	—·055	E	113·2	94·0	4th ,,	77·8	5th ,,	90·8	79·2	85·0	+1·1	85·1
	Moorshedabad	Berhampore	29·510	29·576	—·055	E	114·4	92·2	4th ,,	78·3	5th ,,	90·5	79·4	85·0	+0·8	85·5
	Nuddea	Krishnaghur	29·532	29·597	—·043	ESE	155·6	93·8	4th ,,	78·7	5th & 9th Aug.	90·9	79·1	85·0	+2·2	86·2
	Jessore; Khoolna	Jessore	29·557	29·591	—·055	SSE	155·7	94·3	4th ,,	79·4	7th ,,	90·8	80·5	85·7	+2·0	86·4
East Bengal.	Chittagong	Chittagong	29·561	29·650	—·050	SSE	130·0	89·6	6th ,,	76·5	5th ,,	88·0	77·5	82·8	+1·7	85·4
	Chittagong Hill Tracts	Demagiri				Observations not received.										
	Backergunge	Barrisal	29·536	29·608	—·027	SSE	117·3	92·3	4th Aug.	78·8	5th ,,	88·9	80·2	84·6	+2·6	85·1
	Noakholly	Noakholly	29·594	29·637	—	SSE	160·0	89·3	4th ,,	77·6	6th ,,	87·5	79·0	83·2	—	85·1
	Furreedpore	Furreedpore	29·578	29·618	—·041	SSE	129·7	90·5	5th ,,	79·4	9th ,,	88·0	80·5	84·3	+1·9	84·9
	Dacca	Dacca	29·585	29·608	—·040	SSE	154·0	91·6	5th ,,	79·2	8th ,,	89·8	80·6	85·2	+1·8	85·2
	Commillah	Commillah	29·591	29·626	—·054	SE	129·1	93·8	5th ,,	77·3	9th ,,	90·0	78·1	84·1	+3·5	85·1
	Mymensingh	Mymensingh	29·570	29·628	—·037	ESE	119·4	90·8	5th ,,	77·5	5th ,,	89·5	79·4	84·5	+2·5	85·6
North Bengal.	Bogra	Bogra	29·525	29·587	—	E	103·7	92·8	5th ,,	78·2	10th ,,	90·5	79·3	84·9	—	86·9
	Pubna	Serajgunge	29·558	29·605	—·043	E	51·1	90·1	5th & 9th Aug.	79·8	5th & 10th Aug.	89·2	80·7	85·0	+2·7	85·9
	Rajshahye	Rampore Beauleah	29·516	29·586	—·025	SE	99·4	91·8	4th ,,	77·6	5th & 7th Aug.	90·1	78·5	84·3	+2·0	86·4
	Maldah	Maldah	29·492	—	—	SE	100·8	92·9	5th ,,	79·5	9th ,,	92·0	81·0	86·5	—	88·1
	Dinagepore	Dinagepore	29·480	29·590	—·025	ESE	128·0	91·6	5th ,,	79·1	5th ,,	90·1	80·0	85·1	+1·	86·5
	Rungpore	Rungpore	29·478	29·601	—·049	SE	72·0	92·8*	9th & 10th Aug.	78·7*	4th, 6th & 7th Aug.	91·1*	80·1*	85·6*	+3·3	86·6
	Julpigoree; Cooch Behar	Julpigoree	29·325	29·610	—·037	E	90·4	92·0	5th ,,	75·8	6th ,,	89·8	77·4	83·6	+2·5	85·1
	Darjeeling Hill Tracts	Darjeeling	22·908	—	+·016	Easterly	81·0	70·1	6th ,,	57·2	5th ,,	68·9	58·0	63·5	+1·0	66·3
North Behar.	Purneah; North Bhagulpore	Purneah	29·463	29·588	—·028	E	29·7	92·2	5th, 8th, 9th & 10th Aug.	76·6	5th ,,	91·0	77·5	84·3	—0·5	87·7
	Mozufferpore	Mozufferpore				Observations suspended.										
	Durbhunga	Durbhunga	29·418	29·552	0	ESE	104·0	93·4	5th Aug.	80·8	7th ,,	92·0	82·0	87·0	+3·0	87·8
	Chumparun	Motihari	29·550	29·574	—·012	South-easterly.	140·9	93·7	9th & 10th Aug.	78·4	7th ,,	92·6	79·5	86·1	+2·9	89·0
	Sarun	Chupra	29·377	29·570	—·041	E	110·8	90·5	10th ,,	78·1	4th ,,	88·9	80·7	84·8	+0·8	88·4
South Behar.	Shahabad	Dehree	29·204	29·535	—·062	E	265·0	91·8	4th, 9th & 10th Aug.	79·0	6th ,,	91·2	81·1	86·2	+3·7	86·7
		Buxar	29·329	29·568	—·044	E	130·4	92·4	6th, 9th & 10th Aug.	79·7	6th ,,	91·5	81·1	86·3	+3·2	87·3
		Arrah	29·373	29·569	—·027	E	70·1	93·4	10th ,,	79·5	5th ,,	92·0	81·1	86·6	+2·7	86·3
	Gya	Gya	29·180	29·555	—·056	NNE	61·8	93·4	10th ,,	78·8	5th ,,	92·0	80·0	86·0	+1·7	87·0
	Patna	Bankipore	29·390	29·573	—·046	E	99·3	93·9	10th ,,	81·2	4th & 7th Aug.	92·2	81·9	87·1	+1·0	86·5
	South Bhagulpore; Monghyr	Bhagulpore	29·403	29·554	—·033	E	61·7	91·9	10th ,,	79·0	6th ,,	90·5	80·6	85·6	+2·0	86·9
	Sonthal Pergunnahs	Doomka	29·070	—	—	Easterly	164·1	92·3	4th ,,	78·2	7th & 8th Aug.	89·8	78·8	84·3	......	85·5
Chota Nagpore.	Hazaribagh	Hazaribagh	27·588	29·574	—·036	E	191·7	87·5	5th ,,	73·6	5th ,,	85·4	74·7	80·1	+1·8	79·9
	Lohardugga; Manbhoom	Ranchee	27·462	29·562	—·060	North-easterly.	142·2	88·0	4th ,,	72·4	5th ,,	84·4	73·3	78·9	+1·6	79·4
	Singhbhoom	Chyenassa	28·777	—	—	North-easterly.	37·2	93·4	4th ,,	76·9	10th ,,	89·4	78·2	83·8	—	84·2
Assam.	......	Sibsagar	29·350	29·630	—·006	SW	68·6	94·6	5th ,,	77·0	7th ,,	90·9	78·5	84·7	+0·6	82·9
	......	Dhubri	29·505	29·621	—·039	Calm	95·3	90·7	8th ,,	76·8	6th ,,	89·3	79·2	84·3	+2·3	84·7
	......	Silchar	29·545	29·619	—·071	Calm	65·0	91·5	5th to 7th Aug.	75·8	7th ,,	91·1	77·6	84·3	+1·3	85·2

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years.

The *humidity* of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number [illegible] the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past [illegible] stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Means for six days.

for the week ending Friday, the 10th of August 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
87	8·7	8·12		2·81		4·40			26·67			4 1	Pooree ...		ORISSA.
83	6·7	3·91	—	—	—	—	—	—	—	—	—	—	Gopalpore .	Pooree	
85	9·4	3·22	—	—	—	—	—	—	—	—	—	—	False Point ...		
82	8·7	5·30		2 55		3·40			28 24			4·0	Cuttack	Cuttack	
85	8·9	7·47	4·91	2 41	6 22	4·20	+2·02	25·51	28 29	—2 78	6 3	4·0	Balasore	Balasore	
85	8·4	2·50	2 15	3·66	2 90	4 92	—2 02	16 99	32 44	—15·45	6 0	4·5	Saugor Island ..	South-West Midnapore; South 24-Pergunnahs	SOUTH-WEST BENGAL.
85	4·4	5·14	3 64	3 25	3 88	5 23	—1 35	28 59	20·18	—0 89	6 0	4 3	Midnapore .	Midnapore	
81	9·0	1·57	1 80	3·14	2 10	4 58	—2 48	28·31	29 63	—1·32	5 7	5·0	Calcutta ...	24-Pergunnahs ..; Howrah ... ...; Hooghly	
80	7·3	0·96	1·22	2 87	1·31	4 17	—2 86	26 51	26 17	+0·34	5·3	4 4	Burdwan ...	Burdwan	
82	7 6	1·64	1 75	3 69	2 23	6 21	—3 98	27 54	30 68	—3 14	4·8	4 5	Bankoora ..	Bankoora	
83	7·1	1 65	1 09	3 00	1 60	4 75	—3 15	26 24	29 60	—3 36	5 3	5·1	Raneegunge ...	Beerbhoom ... ...; West Burdwan ...	
84	8·9	0·58	0 65	2 98	0 87	4 54	—3 67	22·63	27 85	—5 22	3 5	4 5	Berhampore ..	Moorshedabad . ..	
82	7 6	1·18	1·87	2 84	2·16	3 82	—1 66	26 35	27 30	—0 95	4 8	4·4	Krishnaghur ..	Nuddea	
83	8 7	1 17	0 76	2 92	1 26	4 34	—3 08	24·54	31 15	—6·61	4 1	4·7	Jessore ...	Jessore .. ...; Khoolna ..	
77	5·0	0 23		6 53		9 22			75·22			5·8	Chittagong ...	Chittagong	EAST BENGAL.
				3 92		5 85			47 22			5 8	Domagiri ...	Chittagong Hill Tracts	
86	7 1	0 51	1·15	4 07	2 [illegible]	5 81	—3 17	33 75	46·91	·16	5·3	5 8	Barrisal ...	Backergunge	
80	6·7	2 10		7 32		9 60			64 98			6 0	Noakholly ...	Noakholly	
85	4·6	0 60		3 01		4 37			33 19			4 8	Furreedpore ...	Furreedpore	
83	8 7	0·68	0 55	3 57	0 95	5 52	—4 57	34·02	36 19	—2 17	4 0	5·6	Dacca ..	Dacca	
77	3·0	0·62		4 07		5 90			40 50			5 4	Commillah .	Commillah	
81	7·1	0 72	0 82	3 23	1 78	4 43	—2 65	40 82	38 71	+2 11	2·3	4 9	Mymensingh .	Mymensingh	
79	5·3	0·34	0·36	2 86	0 85	3 83	—2 48	25 65	33 79	—8 14	1 5	4 6	Bogra .	Bogra	NORTH BENGAL.
81	6·7	1 00	2 00	2 65	2 18	3 55	—1 37	27 28	29 11	—1 83	5 5	4 2	Serajgunge .	Pubna	
81	5 6	1 [illegible]7	1 37	2 58	2 27	3 96	—1·69	22 05	29 06	—7 01	4 5	4 4	Rampore Beauleah	Rajshahye	
79	5·1	0·[illegible]7	0·29	2 62	2 01	4·09	—2 08	17 84	30 77	—12·93	2·0	5 0	Maldah	Maldah	
81	7·0	2·10	0·48	2 99	1 05	4 04	—2 99	27 86	34 49	—6·63	2 8	4·8	Dinagepore .	Dinagepore	
78	4·0	0·51	0 24	2·85	0 78	3 79	—3 01	36 89	46·51	—9 62	1·8	4 1	Rungpore ...	Rungpore	
87	8 0	0 15	0 61	6 60	3·62	7 97	—4·35	63 35	67 62	—4·27	2 2	5 2	Julpigoree ...	Julpigoree ... ...; Cooch Behar	
90	8·1	2·13	2 30	8 89	4 27	11 39	—7 12	65 23	78·24	—13 01	5 3	6 4	Darjeeling .	Darjeeling Hill Tracts	
81	4 7	0·40	0 58	3·37	0 73	4 45	—3 73	30·37	32·85	—2·48	2·5	4 4	Purneah ..	Purneah . .; North Bhagulpore .	NORTH BEHAR.
			0·87	2·74	1 50	3 77	—2 47	25 62	24 03	+1·59	2 0	4 0	Mozufferpore .	Mozufferpore	
76	4·9	0·37	0 49	2 05	0 08	3 06	—2 68	24 34	24 70	—0 36	2 3	3 8	Durbhunga .	Durbhunga	
73	7·9	0·11	0 81	3·37	1·26	4 37	—3 11	26·18	25 45	+0 73	2 5	3 8	Motihari .	Chumparun	
77	5·7	0·27	0·55	3 00	0 93	3 97	—3 04	17 64	23 85	—6 21	2·0	3 7	Chupra ...	Sarun	
77	4·0	0 19											Dehree ...		SOUTH BEHAR.
77	7·7	0 09	0·43	2 75	1·00	4 35	—3 35	17·68	21·55	—3·87	3·0	3 8	Buxar ...	Shahabad	
82	7·4	0 18											Arrah ..		
76	5 7	0 41	1·63	2 80	2·36	4·35	—1·99	19·07	23 00	—3·63	3 8	3·8	Gya .	Gya	
80	9·1	0 91	0·98	2 57	2·07	3 82	—1·75	24·32	23 45	+0 87	2·8	3 8	Bankipore ...	Patna	
77	3·4	0·14	0 76	2 86	2·22	4·16	—1·94	24·09	24 34	—0·25	3·4	4 2	Bhagulpore ...	South Bhagulpore ...; Monghyr	
79	4·4	1·61	0·93	3 12	2 30	4 38	—2·08	24·32	28 59	—4 27	4·5	4 5	Doomka	Sonthal Pergunnahs...	
85	10·0	1·80		3 19		5 08			28·44			5·0	Hazaribagh ...	Hazaribagh	CHOTA NAGPORE.
84	9·7	2·38	2·49	3·23	4 42	5·38	—0·96	26·58	28 08	—1·50	5·3	5 4	Ranchi ...	Lohardugga	
			2·16	3·32	3·26	5·40	—2·14		27·15		6·5	5 0		Manbhoom	
82	8·0	2·62	2·64	4·03	2 99	6·24	—3 25	20·16	31·42	—11·26	6·0	5 7	Chyebassa ...	Singbhoom	
91	9·1	2·13											Sibsagar	.....	ASSAM.
83	6·7	4·65											Dhubri	......	
81	8·8	9·85											Silchar	....	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 10th of August 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 4th August.	Sunday, 5th August.	Monday, 6th August.	Tuesday, 7th August.	Wednesday, 8th August.	Thursday, 9th August.	Friday, 10th August.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA	Pooree	Pooree	0.35	4.48	...	......	0.26	2.80	0.15	5	8.36	8.36	3.62	18.06	28.49
		Khurdah	.....	1.78	0.53	...	0.03	0.51	1.68	5	4.45	4.41	4.67	17.03	29.09
		Banpur	2.44	1.54		0.20	0.12	...					4.79		29.37
		False Point	0.13	1.87	...	0.35	0.57	0.24	0.35	6	3.51	4.97	4.50	25.70	29.96
		Gop	2.30	1.32									?		?
		Pipli	...	3.00			0.48	0.40	1.35				?		?
	Cuttack	Jagatsingpore	0.50	1.50	...	0.17	1.00						3.93		23.00
		Banki	0.67	1.44	0.04	0.02	0.04	0.12					2.08		27.14
		Cuttack	0.10	1.80	0.34	0.51	0.40	1.35	2.28	7	6.78	6.95	4.20	19.6?	31.99
		Kendrapara	0.77	1.13	0.03	...	0.38	1.38	0.10	6	3.79	4.04	5.01	16.63	28.12
		Jajpore	0.70	0.12	0.16	0.24	0.30	3.15	0.20	7	5.17	9.91	3.70	26.26	30.28
		Dharmsala	0.20	0.10	0.80	......	0.70	0.30	0.50	6	2.90	2.90	?		?
		Salipore											?	22.78	?
	Balasore	Chandbali	0.10	1.20	0.80	0.89	1.90	1.00	1.40	7	6.80	8.30	4.89	22.67	26.03
		Bhuddruck	0.37	0.14	0.18	0.54	0.36	1.83	0.14	7	3.72	4.89	3.59	2?.83	27.62
		Sorah	0.22	..	0.35	...	0.63	0.10	2.01	5	3.70	5.16	4.26	22.71	26.48
		Balasore	2.78	0.12	0.06	0.29	0.?0	4.36	0.15	7	7.93	8.89	4.97	25.68	30.26
		Jellasore	2.29	0.20	...	0.50	0.50	1.30	...	5	4.59	5.80	3.62	31.24	29.47
		Baripodah	0.23	0.60	0.11	0.09	0.59	0.60	0.59	7	2.81	4.30	3.89	28.27	28.87
SOUTH-WEST BENGAL.	Midnapore	Contai	...	0.70	0.15	0.07	...	1.50	0.03	5	1.95	3.24	5.02	18.00	31.65
		Saugor Island	0.35	0.05	0.29	0.06	0.12	1.12	0.67	7	2.66	2.92	4.95	16.49	33.68
		Tumlook	...	0.90	...	...	0.46	0.20	0.60	4	2.10	2.40	4.87	25.90	28.50
		Midnapore	2.70	0.08	0.71	0.24	0.26	1.82	0.15	7	5.54	5.97	4.81	35.34	28.07
		Ghattal	1.58	0.15	0.40	0.10	0.41	0.61	0.03	7	3.28	3.36	6.00	24.18	31.86
		Kukrahaty	0.0?	0.50	...	......	0.25	0.21	0.18	5	1.55	1.90	?	24.73	?
		Heria	0.24	0.26	0.04	...	0.12	0.88	0.21	6	1.75	2.77	?	24.05	?
		Bhagwanpore	..	0.49	0.30	...	0.52	1.05	0.54	5	2.99	2.99	?	2?.??	?
		Garbeta	...	...	0.15	0.50	0.92	0.60	......	4	2.47	2.92	?	30.32	?
	24-Pergunnahs	Diamond Harbour	....	0.30	0.0?	0.07	0.07	0.30	0.84	6	1.84	2.55	4.78	15.02	31.68
		Canning Town	0.24	0.10	0.07	0.08	0.01	0.13	0.53	7	0.96	2.?7	?	22.43	?
		Alipore Jail	...	0.09	0.37	0.22	0.68	0.04	0.26	6	1.66	1.75	4.26	20.69	30.70
		Barrackpore	.	0.43	0.03	....	0.40	0.09	0.25	5	1.96	1.96	4.41	30.85	29.42
		Dum-Dum	0.18	0.57	0.04	0.22	0.24	0.32	0.81	7	2.37	2.63	4.0?	28.38	28.79
		Baraset	...	1.53	0.07	.	0.10	0.14	0.04	5	1.88	3.91	4.01	30.18	27.50
		Buseerhat	.....	0.17	0.27	0.16	...	0.21	0.81	5	1.62	1.85	4.85	28.79	32.04
	Howrah	Howrah	...	..	0.21	0.19	0.38	0.12	0.36	5	1.27	1.35	4.33	28.65	29.31
		Mohesreka (*Ooloberiah*.)	1.28	0.10	0.13	0.13	...	0.25	0.29	6	2.18	2.36	5.01	21.75	30.18
	Hooghly	Serampore	...	0.27	0.14	0.19	0.28	0.13	0.61	6	1.62	1.70	4.54	31.08	29.21
		Hooghly	...	0.17	0.31	0.32	...	0.07	0.42	5	1.29	1.30	4.?3	32.46	28.26
		Jehanabad	0.60	0.16	0.79	0.04	0.34	0.66	0.02	7	2.10	2.15	5.96	32.35	30.57
	Burdwan	Culna	.....	0.40	0.13	......	0.11	0.05	0.13	5	0.82	1.04	3.6?	29.71	24.79
		Burdwan	0.21	..	0.30	0.19	0.16		0.10	5	0.96	1.00	4.43	21.72	26.67
		Cutwa	1.26	0.04	0.15	0.05	0.55	0.03	...	6	1.88	1.88	4.43	28.08	27.63
		Raneegunge	0.14	...	0.25	0.14	0.14	0.83	0.19	6	?.?9	2.45	4.71	32.96	28.83
		Hankur	......	...	...	0.35	...	0.55	...	2	0.70	1.01	?	25.46	?
	Bankoora	Bankoora	0.11	0.11	0.07	0.70	.	0.65	0.10	6	1.69	1.91	5.88	25.12	29.88
		Bishenpore	...	.	0.21	0.29	0.34	0.19	0.20	5	1.23	1.59	7.02	23.83	31.17
		Malaria	...	..	0.29	0.11	0.46	0.54	...	4	1.40	1.88	6.13	28.96	30.68
		Khatra	...	0.25	0.62	1.00	..	0.80	..	4	2.67	3.59	5.81	30.95	30.90
		Indas	...	..	0.45	0.70	0.31	0.14	0.25	6	1.85	2.01	?	24.75	?
		Kotalpore	0.36	...	0.23	0.21	...	...	..	3	0.80	1.52	?	23.52	?
		Anda	...	..	..	...	0.60	......	0.20	2	0.80	0.80	?	17.68	?
		Gangajalghati	0.?4	......	0.57	0.50	0.15	...	...	4	1.26	2.01	?	32.06	?
		Raipore	1.45		0.4?	0.58	0.95	0.?8	.	5	2.91	3.27	?	27.47	?
		Sonamukhi	.....	0.52	0.11	0.9?	0.22	0.04	0.03	6	1.82	1.88	?	26.89	?
	Beerbhoom	Bh. Soory	..	0.03	0.18	..	0.12	0.04	0.47	5	0.84	1.47	4.69	24.60	30.01
		Hetampore	0.10	0.2?	0.22	...	0.21	...	0.14	5	0.90	0.90	4.57	20.39	32.04
		Rampore Haut	0.13	0.15	.....	0.11	0.43	0.09	...	5	0.91	1.5?	5.04	26.80	27.95
		Bolpore	0.09	.	...	0.47	...	0.34	0.03	4	0.99	0.99	?	30.15	?
		Murárai	0.15	0.33	0.?9	0.15	0.39	0.16	...	6	1.18	?	?	?	?
	Nuddea	Ranaghat	......	1.41	0.07	0.0?	0.02	0.46	0.47	6	2.45	2.49	4.61	32.57	27.23
		Kishnaghur	....	0.68	0.05	0.05	0.05	0.03	0.24	6	1.70	1.94	3.46	31.27	23.12
		Chooadánga	1.49	0.65	...		......	0.20	...	5	2.25	2.25	4.07	24.46	29.04
		Meherpore	0.88	0.?6	..	0.09	......	0.14	0.?3	5	2.09	2.79	3.57	25.81	26.40
		Kooshtea	...	0.28	0.21	..	0.23	......	0.14	4	0.86	1.35	3.40	17.63	20.06
	Khoolna	Satkhira	0.04	0.06	0.02	0.03	0.12	0.03	0.62	7	0.92	1.19	4.22	2?.?7	32.05
		Bagirhat	...	...	0.17	...	...	0.16	0.17	3	0.50	0.78	5.17	25.3?	37.40
		Khoolna	..	...	0.30	......	...	0.25	0.51	3	1.06	1.42	4.31	29.68	31.53
	Jessore	Narail	0.22	...	0.11	0.02	0.03	...	0.03	5	0.41	0.41	4.85	15.55	28.05
		Jessore	0.02	0.24	0.30	0.12	0.27	0.04	0.18	7	1.17	1.37	4.01	32.58	32.52
		Jhenidah	0.05	.	0.10	...	.	......	...	2	0.15	1.90	3.06	20.90	29.90
		Magoorah	...	...	..	0.17	0.19	...	0.06	3	0.42	1.02	3.11	22.47	29.24
		Bongong	...	1.00	0.30	...	...	0.16	......	3	1.46	1.91	4.59	28.94	28.46
	Moorshedabad	Kandi	...	...	..	......	...	0.17	...	1	0.17	0.37	4.45	29.93	28.50
		Berhampore	0.10	0.?1	0.04	0.02	0.21	...	......	5	0.58	0.66	4.95	18.87	27.78
		Lalbagh	0.17	0.21	0.02	...	0.15	...	...	4	0.55	0.72	4.23	22.24	26.98
		Azimgunge	0.17	0.35	0.23	..	...	......	......	3	0.75	0.98	4.53	25.53	28.01
		Jungipore	...	0.22	...	0.03	0.17	0.15	0.02	5	0.59	0.64	4.45	18.44	27.23
		Lalgola	......	0.69	.	...	0.29	...	0.35	3	1.24	1.84	4.81	21.00	28.45
		Akhriganj	......	0.27	...	......	0.36	0.08	0.16	4	0.87	1.10	?	26.01	?
		Patkabari	0.50	...	......	......	...	...	0.20	2	0.70	1.10	?	29.80	?
EAST BENGAL	Chittagong	Cox's Bazar	0.45	...	0.75	0.47	0.15	0.77	1.60	6	4.28	7.98	10.83	90.98	90.76
		Chittagong	0.06	.	...	...	0.15						7.61		59.63
		Kutubdia	4	0.05	0.03								?		?
		Satkanya	2.15	.....	...	0.24							?		?
	Chittagong Hill Tracts.	Rangamati	0.09	0.21	0.16	......	0.45	0.10	0.72	6	1.73	2.07	7.26	80.12	49.71
		Ruma	0.70										4.43		44.63
	Backergunge	Patuakhally	0.10	0.20	0.28	...	0.22	......	0.15	5	0.95	1.65	6.33	42.09	54.68
		Perozepore	.....	0.08	0.09	...	...	0.31	0.36	4	0.84	3.65	5.59	34.26	41.87
		Burrisal	0.03	0.07	0.09	0.09	0.12	0.27	0.3?	7	0.97	1.37	4.84	30.70	41.28
		Bhola	0.13	......	......	0.24	0.25	0.46	0.77	5	1.35	3.91	6.19	27.96	40.33

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 10th of August 1888—*contd.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 4th August.	Sunday, 5th August.	Monday, 6th August.	Tuesday, 7th August.	Wednesday, 8th August.	Thursday, 9th August.	Friday, 10th August.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—*concld.*		*Gournaddi* ..	......	......	0·30								?		?
		Bauphal ...	......	0·13	......	0·09	......	0·05	0·15	4	0·42	1·67	?	44·03	?
	Noakholly	Noakholly .	0·09		0·48	0·24	0·13	0·18					9·06		34·49
		Fenny ...	0·16	......	......	......	......	0·08					9·53		31·61
		Harishpore ...											?		?
		Ramganj ...	0·10	......	0·07	......	0·11	0·75	0·21	5	1·24	1·88	?		?
	Furreedpore	Madaripore	......	......	0·22	......	0·07	0·28	......	3	0·57	2·17	4·99	37·19	34·58
		Furreedpore ..	......	......	0·29	......	0·07	0·31	......	5	0·89	1·27	4·23	29·65	33·65
		Goalundo	......	0·13					0·09				3·91	25·04	31·36
	Dacca ...	Munshigunge	......	......	......	0·15	0·07	0·19	......	3	0·41	1·01	5·88	38·82	41·94
		Dacca ..	......	......	......	0·16	......	0·30	......	2	0·55	1·16	4·86	29·54	35·70
		Narainganj	......	......	0·07	0·21	0·03	0·34	0·03	5	0·68	1·01	6·57	40·69	36·65
		Manickgunge	......	0·07	0·02	0·09	0·04	0·24	0·10	6	0·56	0·63	4·78	26·35	30·30
		Joydebpore ...	0·63	1·38	0·03	0·31	......	0·04	0·05	6	2·44	2·54	?	40·56	?
	Hill Tipperah Tipperah	Agartola ...	0·20	1·09	0·72	......	......	0·02	0·10	4	1·04	1·37	4·37	27·78	34·96
		Comilla ...	0·09	......	......	0·30	0·08	0·12	0·40	5	0·99	1·51	6·98	32·04	47·56
		Chandpore .	......	......	......	......	......						7·90		44·02
		Brahmunberia	......	1·81	0·35	......	......	0·08					4·34		34·86
		Ramchandrapore.	......	0·58	......	0·16	0·18	......	......	3	0·92	1·12	?	34·71	?
		Nasirnagar ...	......	1·77	......	......	......	......	......	1	1·77	1·77	?	30·70	?
		Daudkandi ..	0·33	......	0·12	......	......	0·42	......	3	0·87	1·34	?	36·07	?
		Kasba ..	......	......	......	......	......	......	0·18	1	0·18	0·18	?	30·29	?
		Laksham ...	......	......	0·80	......	......	0·21	0·30	3	1·31	1·42	?	37·00	?
	Mymensingh	Kishoreganj	......	......	0·32	......	......	......	......	1	0·32	2·72	4·65	52·81	41·70
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	Nil	4·10	19·62	31·98
		Mymensingh	......	0·16	0·35	......	......	0·10	......	2	0·51	1·34	3·99	38·53	43·33
		Jamalpore ...	0·02	1·02	......	......	......	......	0·63	3	1·67	2·32	4·17	39·41	30·17
		Netrokona .	......	0·22	0·91	0·09	......	0·15	0·21	5	1·58	2·52	4·93	54·72	40·34
		Subornakhally	......	......	0·20	0·02	......	......	0·22	3	0·44	0·44	?	34·38	?
		Durgapore ..	......	0·20	......	2·70	......	2·00	......				?		?
		Dewanganj ...	......	1·30	......	......	......	......		1	1·30	1·69	?	35·20	?
NORTH BENGAL.	Pubna .	Pubna ...	......	2·01	0·10	0·30	0·10	0·29	0·16	6	2·96	3·12	3·50	26·53	28·22
		Serajgunge ...	......	0·34	0·02	0·04	......	0·02	0·63	5	1·05	1·25	3·60	28·02	29·93
	Bogra ..	Sherpore ...	......	0·13	......	......	......	......	0·31	2	0·44	0·91	4·18	20·42	34·16
		Nowkhilla ...	......	......	......	0·10	......	......	......	1	0·10	0·25	4·15	32·18	32·14
		Bogra ...	......	0·20	......	......	......	......	0·32	2	0·52	1·36	3·17	24·05	30·23
		Panchbibi .	......	0·38	......	......	......	......	......	1	0·38	0·88	3·81	26·00	32·57
	Rajshahye .	Beauleah .	......	0·75	0·04	0·09	0·28	0·07	0·31	6	1·54	1·92	3·99	19·71	28·44
		Nattore ..	......	0·35	......	0·25	......	......	0·60	3	1·20	2·62	3·93	30·38	29·63
		Naogaon .	......	0·11	......	0·11	......	......	0·38	3	0·60	0·92	?	20·16	?
		Lalpore ...	1·50	......	1·07	......	0·10	......	0·14	4	2·81	4·21	?	22·74	?
		Manda .	......	0·40	......	0·10	......	0·04	0·10	4	0·64	1·23	?	16·21	?
	Maldah ...	Maldah ..	......	......	......	......	0·30	......	0·07	2	0·37	2·58	3·32	19·92	28·46
		Chanchal ..	......	......	0·07	......	......	......	0·14	2	0·21	1·43	4·56	15·73	33·08
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	0·60	?	16·53	?
		Sibganj ..	0·98	0·07	0·27	0·12	......	......	0·07	5	1·51	2·38	?	27·55	?
	Dinagepore ...	Mohadebpore	0·10	......	......	......	......	0·30	......	2	0·40	0·40	4·45	20·74	33·23
		Churamon ..	0·11	0·05	......	......	......	0·11	......	3	0·27	1·28	3·21	19·87	31·03
		Raigunge ..	......	......	......	......	......	0·08	0·23	2	0·31	[illegible]	3·57	31·30	34·98
		Dinagepore ..	......	0·42	0·11	......	......	......	0·15	3	0·68	1·66	4·32	42·04	39·24
		Balurghat	0·37	0·28	......	......	......	0·09	0·02	4	0·76	1·77	4·63	25·33	33·96
		Thakoorgaon	......	......	0·27	......	0·35	0·18	......	3	0·80	0·80	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	1·24	2·73	28·36	30·37
		Rungpore ...	......	......	......	0·08	......	......	0·04	2	0·12	0·56	3·73	30·33	46·89
		Kurigram ...	......	......	......	......	0·48	......	......	1	0·18	0·18	3·62	50·37	49·03
		Bagdogra (*Nilphamari*) .	......	0·15	0·03	......	......	0·15	0·04	4	0·37	0·87	5·07	38·47	53·73
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	1·04	?	32·48	?
	Julpigoree ...	Julpigoree ...	......	......	0·16	......	......	......	0·93	2	1·09	2·81	8·64	71·51	70·38
		Alipore Duar	......	0·25	......	......	......	1·30	0·10	3	1·65	2·10	?	57·59	?
		Fallacotta ...	......	......	0·19	......	......	......	1·34	2	1·53	1·76	?	61·08	?
		Debiganj ...	......	0·03	......	0·02	......	0·01	0·03	4	0·09	1·08	?	48·34	?
	Cooch Behar...	Dinhatta ...	......	0·97	0·02	......	......	0·05	0·02	4	1·06	7·43	6·32	65·00	56·73
		Cooch Behar..	......	0·40	......	......	......	......	......	1	0·40	4·15	7·71	68·53	76·02
		Mekligunge..	......	......	0·18	......	0·08	......	0·11	3	0·37	1·18	8·23	57·58	63·74
		Matabhanga...	......	0·12	......	......	......	......	......	1	0·12	2·50	8·04	54·37	71·19
	Darjeeling Hill.	Buxa ..	0·52	0·04	2·23	0·24	0·12	0·12	1·90	7	5·17	10·14	14·16	104·24	121·12
		Silliguri ..	......	......	......	0·32	0·64	......	......	2	0·96	1·97	12·83	57·68	71·45
		Darjeeling ...	0·94	0·01	0·25	0·83	0·04	0·06	0·12	7	2·25	3·16	9·08	54·74	66·62
		Kalimpong ...	0·04	......	0·11	0·39	0·17	......	0·09	5	0·80	1·77	9·53	[illegible]	53·63
NORTH BEHAR	Purneah ...	Kissengunge...	......	......	0·20	......	......	0·29	......	2	0·49	0·49	5·22	33·71	41·20
		Arrareah ...	......	......	0·15	......	0·18	0·20	0·11	4	0·64	1·01	3·90	34·44	36·09
		Purneah ...	......	0·34	......	0·06	......	......	......	2	0·40	0·60	5·02	24·64	35·43
		Goandwara ...											?		?
		Balarampore	0·02	0·05	0·07	......	......	0·11	0·20	5	0·45	0·45	?	?	?
		Matiari ...			0·12	......	0·02	0·09	0·27	4	0·50	0·60	?	41·73	?
		Kaliaganj ...	......	......	......	......	......	......	0·61	1	0·61	0·61	4·02	33·05	26·67
	North Bhagulpore.	Maddapore ..	......	0·35	......	......	......	......	......	1	0·35	[illegible]	4·08	26·00	26·75
		Soopool ..	......	......	......	......	......	......	......	Nil	Nil	0·15	?	22·90	?
		Protabganj ...	......	......	......	......	......	......	......						
	Durbhunga ..	Tajpore ..	......	0·61	......	......	......	......	0·03	2	0·64	1·61	3·66	22·33	24·48
		Durbhunga ...	0·07	0·50	......	......	......	......	......	2	0·57	0·50	3·62	24·63	25·06
		Madhubani ...	......	0·34	......	......	......	0·11	0·01	3	0·46	0·85	8·50	26·07	24·54
		Bahera ...	......	1·35	......	......	......	......	0·29	2	1·64	2·14	?	30·21	?
		Roshera ...	......	0·15	......	......	......	......	0·20	2	0·35	[illegible]	?	29·61	?
	Mozufferpore	Sitamarhi .	......	......	......	......	......	......	......	Nil	Nil	0·13	3·46	23·31	23·60
		Mozufferpore	......	0·50	......	......	......	......	0·05	2	0·55	1·47	3·85	25·72	27·74
		Hajipore ...	1·65	0·15	......	0·20	......	0·06	......	4	2·06	2·30	4·00	24·61	25·78
		Para ...	......	......	0·25	......	......	0·22	......	2	0·47	0·97	?	20·27	?
		Manua ...	1·30	0·04	......	......	......	......	0·20	3	1·54	1·94	?	18·74	?
		Sruaur ...	......	0·05	......	......	......	......	0·35	2	0·40	0·40	?	14·07	?
		Pupri ...											?		?
	Chumparun ...	Motihari ...	......	......	......	......	......	0·05	0·02	2	0·07	0·07	4·10	22·05	23·76
		Bettiah ...	0·50	0·31	......	......	......	0·74	......	3	1·55	2·44	4·63	35·30	27·00
		Bagaha ...	0·28	......	......	......	......	0·47	......	2	0·75	0·82	?	32·33	?
		Burhurwa ...	0·04	......	......	0·02	......	0·02	......	3	0·08	0·44	?	24·05	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 10th of August 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 4th August.	Sunday, 5th August.	Monday, 6th August.	Tuesday, 7th August.	Wednesday, 8th August.	Thursday, 9th August.	Friday, 10th August.	Total. Number of rainy days.	Rainfall of week.	Total rain fall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge	......	......	......	......	......	......	......	Nil	Nil	0·58	4·27	17·96	24·94
		Sewan	0·52	0·31	......	......	......	......	......	2	0·83	1·25	4·08	16·45	21·78
		Chuprah	0·48	......	0·09	0·02	......	......	0·23	4	0·82	0·90	3·57	18·54	22·81
SOUTH BEHAR	Shahabad	Buxar	......	0·22	0·06	0·02	......	0·10	0·11	5	0·51	0·64	4·02	16·14	20·68
		Dehree	......	......	0·12	0·07	......	......	0·07	3	0·26	1·05	4·13	19·31	20·04
		Bhuboosh	......	0·13	......	......	......	......	0·10	2	0·23	1·08	4·72	16·37	22·90
		Sasseram	......	......	0·40	......	......	......	0·43	2	0·83	1·06	4·79	16·19	21·97
		Arrah	0·04	0·20	......	0·02	......	......	......	3	0·26	1·21	4·00	20·43	22·23
		Mohania	......	......	......	......	......	......	......	Nil	Nil	0·25		11·68	?
	Gya	Aurungabad	......	1·04	0·21	......	0·10	0·22	0·41	5	1·98	2·43	4·70	27·80	23·03
		Gya	0·10	......	0·14	......	......	......	0·29	3	0·53	1·58	4·25	14·96	24·72
		Nowadah	......	2·30	......	0·24	0·07	0·20	......	4	2·81	3·06	3·83	19·81	22·53
		Jehanabad	1·01	......	0·03	......	0·14	......	......	3	1·18	2·36	4·57	17·41	23·10
		Arwal	......	......	......	......	......	......	......	Nil	Nil	1·15	?	14·03	?
		Daudnagar	......	......	0·20	......	......	......	0·05	2	0·25	0·70	?	17·98	?
		Sherrghati	0·50	0·15	......	......	......	......	0·25	3	0·90	1·05	?	11·82	?
		Rajauli	......	0·70	0·50	0·30	0·20	......	......	4	1·70	3·00	?	15·33	?
		Pakri Barawan	......	0·38	......	0·50	......	0·15	......	3	1·03	1·41	?	14·46	?
	Patna	Patna	0·63	......	0·28	......	......	......	......	2	0·91	1·34	3·83	21·13	23·86
		Dinapore	0·36	......	......	......	......	......	......	1	0·36	0·51	3·85	27·17	23·06
		Behar	......	0·51	0·21	0·24	0·14	1·31	0·05	6	2·46	5·78	3·76	28·82	24·32
		Barrh	......	......	......	0·10	0·10	......	......	2	0·20	0·65	3·83	24·07	22·57
		Bickram	......	0·40	......	......	......	0·35	......	2	0·75	1·00	?	14·60	?
		Hilsa	0·28	0·78	0·06	0·13	......	1·00	......	5	2·25	4·13	?	20·95	?
	Monghyr	Begooserai	0·05	......	......	0·10	0·12	0·02	......	4	0·29	1·99	3·74	21·54	22·56
		Monghyr	......	......	0·11	0·04	......	0·27	......	3	0·42	1·98	4·07	31·13	24·68
		Jamui	0·11	0·27	0·80	......	......	0·11	......	4	1·29	1·39	4·44	19·11	25·10
		Gogri	......	0·25	......	......	......	1·12	0·15	3	1·52	2·27	?	28·90	?
		Sheikpura	......	2·00	......	......	......	......	0·40	2	2·40	4·35	?	30·35	?
	South Bhagulpore	Bhagulpore	......	0·19	......	......	......	......	0·34	2	0·53	2·99	4·13	32·72	24·64
		Banka	0·77	......	......	0·13	0·27	......	0·10	4	1·27	2·75	4·40	15·91	24·71
		Kolgong	......	......	0·61	0·07	......	......	0·65	3	1·33	3·79	?	31·85	?
	Sonthal Pergunnahs	Rajmehal	......	......	0·05	0·10	......	......	......	2	0·15	0·78	3·04	18·22	20·33
		Godda	0·32	0·26	......	0·18	0·14	......	0·03	5	0·93	2·43	4·87	23·33	25·18
		Pakour	0·02	0·15	......	0·22	0·03	0·23	......	5	0·64	2·55	3·37	30·91	29·37
		Nya Doomka	......	0·06	0·15	0·16	0·82	0·41	0·11	6	1·61	3·60	5·54	21·22	30·11
		Deoghur	......	0·19	......	0·15	0·04	0·02	0·19	5	0·59	1·93	5·12	24·21	29·09
		Jamtara	......	0·22	......	0·57	0·15	0·74	......	4	1·68	2·61	4·33	27·98	28·58
		Mahagama	......	......	......	......	......	......	0·05	1	0·05	2·49	?	?	?
		Nanimal	......	......	......	......	......	......	......	Nil	Nil	1·61	?	15·70	?
CHUTIA NAGPUR.	Hazaribagh	Paonambo (Giridi).	0·05	1·12	0·14	0·32	0·36	0·18	0·12	7	2·29	3·38	4·85	24·86	27·13
		Hazaribagh	0·12	0·20	0·03	0·18	0·07	0·16	0·35	7	1·77	2·97	5·71	28·08	27·37
		Semtagurah	0·17	......	0·67	0·10	......	0·24	......	4	1·18	2·38	4·37	26·15	26·15
		Manudi Hills											4·81		26·23
		Jhoomrah Hills											5·65		35·33
		Barhi	0·12	0·10	0·75	0·10	......	......	......	4	1·07	1·81	?	25·47	?
		Chatra	0·22	0·07	......	......	......	0·11	0·23	4	0·63	3·81	?	29·78	?
		Karagdoha	......	2·02	......	0·30	......	......	......	2	2·32	3·12	?	26·63	?
		Ramghur	0·75	0·50	0·55	0·50	0·10	0·15	0·50	7	3·05	5·63	?	21·55	?
	Lohardugga	Lohardugga	0·09	0·54	0·23	0·10	0·33	0·43		5	2·62	5·28	5·75	29·03	29·73
		Ranchi	0·73	1·05	0·30	......	0·14	0·40	......				5·84		30·26
		Palamow	1·22	0·36	0·92	......	0·26	0·57					4·54		24·20
		Sills	1·70	0·80	0·40	......	......	0·60	......	4	3·50	4·80	?		?
		Balumat											?		?
		Hossainabad											?		?
		Garwah	3·75	0·25	0·25	......	1·3						?		?
	Singhbhoom	Chyebassa	0·25	0·55	0·85	0·10	0·72	0·17	......	6	2·64	2·09	6·24	20·16	31·42
		Chakradharpore.	0·54	1·97	2·74	1·57	2·26	1·14	1·97	7	12·19	14·00	?	42·39	?
		Ghatsilla	0·26	......	0·65	......	0·26	0·70					?		?
		Banaraguru	1·32	0·32	0·28	0·14	1·12						?		?
	Manbhoom	Purulia	0·09	0·08	0·78	0·71	0·04	0·39	0·07	7	2·16	3·43	5·64	29·05	28·62
		Gobindpore	......	0·22	0·14	0·28	0·70	0·47	0·35	6	2·16	3·10	5·17	17·40	25·96
		Raghunathpore.	0·34	0·49	0·23	0·63	0·12	0·72	......	6	2·43	3·88	?	23·97	?
		Burrabhoom	0·30	0·70	0·60	0·50	0·40	0·13	......	6	2·63	3·93	?	27·69	?
		Jhalda											?		?
		Chas											?		?

Explanation.—...... Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 17*th August* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 10TH OF AUGUST 1888.

At the close of the previous week a small depression which had formed in South-West Bengal had advanced in a north-westerly direction, and had passed out of the province, leaving conditions in Bengal of ordinary monsoon character, except that the monsoon current blowing in the Bay was rather more strongly westerly than usual. On the 4th August, or the first day of the present week, a rather rapid fall of pressure took place, the fall being largest at Saugor Island, where it amounted to 0·075 inch. These changes accompanied the formation of a slight but distinct barometric depression over the Sunderbuns, the centre of which was to the south-east of Saugor Island, and which was accompanied by a distinct, though feeble, cyclonic circulation of winds. The formation and continued existence of this depression have formed the only feature of importance in the meteorology of the present week. It continued to be an extremely feeble but remarkably persistent storm, and remained almost unchanged in position and intensity in the north-west angle of the Bay until nearly the close of the week, the centre drifting gradually to the south and south-west of Saugor Island up till the 8th, when the centre was close to the coast, and on the morning of the 9th the centre had advanced inland and was to the south-west of Calcutta. During this day the feeble storm continued to move in a westerly direction, and on the morning of the 10th the centre was in the Singbhoom district of Chutia Nagpur, the centre being near Chyebassa, and during the whole of its existence the depression was accompanied by a feeble cyclonic circulation of winds which, however, affected the wind directions over a considerable area of the province.

During the existence of this storm at the head of the Bay the indraught towards it and the general cyclonic circulation set up prevented the ordinary monsoon winds from flowing over Bengal, and for the greater part of the week rainfall has been rather light and local in the majority of districts. In the case of Orissa and the south-western districts of South-West Bengal, however, as these districts were under the immediate influence of the depression, rainfall has been general almost throughout the week, and as the depression passed inland it brought up heavy rainfall, generally in Orissa and parts of South-West Bengal, and particularly to the Balasore district. With the further inland advance of the depression rather heavy rain fell in Chutia Nagpur, and the monsoon current then commenced to spread generally over Bengal, making conditions again favourable for general rainfall over the whole province. During the week, therefore, rainfall has been decidedly in excess of the normal in Orissa, while it has been in moderate defect in South-West Bengal and Chutia Nagpur, and in rather large defect in all other districts.

Pressure—Has been to a great extent influenced by the continued existence of the depression previously described. Taking the mean pressure over the whole week at those stations in the province which yield the most reliable averages, it has been found to be below the normal by 0·052 inch; but while the defect at False Point and Saugor Island is 0·086 inch, and at Balasore 0·091 inch, at Durbhunga pressure has been exactly normal, and at Purneah a defect of only 0·028 inch has been registered. Thus the general pressure distribution of the province during the week has been clearly governed by the existence of the depression in the north-west angle of the Bay. In Assam the mean pressure has been below the normal by 0·039 inch.

Temperature.—Owing to the comparatively small rainfall over the province during the week, temperature has been considerably in excess of the normal in nearly all districts. In Orissa, where the rainfall has been heavy, temperature has been practically normal; in Chutia Nagpur, South-West Bengal, and North Behar an excess temperature of from 1° to 2° has been registered, and in East Bengal, North Bengal, and South Behar the excess has been from 2° to 3°. The general temperature of the province for the week has thus been 1·8° in excess of the normal. In Assam also temperature has been in excess by 1·4.°

Rainfall.—The heaviest falls, as previously described, have occurred in Orissa, which shows an average fall for the week of 4·90 inches, which is 2·34 inches in excess, or nearly twice the normal fall; the next heaviest falls have occurred in Chutia Nagpur, the stations in which average 2·16 inches, which is about 30 per cent. less than the usual fall. In South-West and East Bengal the falls average from one to one and-a-half inches only, and in North Bengal and Behar the falls average less than an inch; in all these cases the falls are very largely in defect of the normal, and in some cases the actual falls are not more than about a fifth of the usual quantity.

The falls during the week have been exceptionally heavy in the following smaller districts:—Pooree and Balasore; and they have been exceptionally light in Moorshedabad, Dacca, Bogra, Maldah, Dinagepore, Rungpore, Cooch Behar, Purneah, North Bhagulpore, Durbhunga, Sarun, and Shahabad.

In Assam during the week the following rainfalls have been reported:—At Silchar 9·85 inches, at Dhubri 4·65 inches, and at Sibsagar 2·13 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 10th of August 1888 :—

Meteorological Divisions.	Temperature.						Rainfall.									
			Averages for week.				Of week.			Rainy days.			Since 1st of month.		Since 16th May.	
	Highest observed during week.	Lowest observed during week.	Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.	Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	95·0	75·1	87·8	79·0	83·4	+0·2	4·90	2·56	+2·34	5·7	4·0	+1·7	6·23	4·12	19·54	27·82
South-West Bengal ...	95·6	77·3	90·7	79·7	85·2	+1·7	1·51	3·11	−1·60	4·9	4·6	+0·3	1·88	4·65	25·55	29·44
East Bengal	93·3	76·5	88·8	79·3	84·1	+2·3	1·20	4·14	−2·94	4·2	5·4	−1·2	2·10	5·22	37·10	44·70
North Bengal	92·8	75·8	90·4	79·6	85·0	+2·5	0·63	3·60	−2·97	2·6	4·7	−2·1	1·78	4·74	34·53	42·05
North Behar	93·7	76·6	91·1	79·9	85·5	+1·6	0·61	3·05	−2·44	2·1	4·0	−1·9	0·98	4·07	25·34	27·03
South Behar	93·9	78·2	91·3	80·7	86·0	+2·6	0·92	2·98	−2·06	3·5	4·0	−0·5	2·00	4·23	22·13	24·76
Chutia Nagpur	88·0*	72·4*	84·9*	74·0*	79·5*	+1·7*	2·16	3·33	−1·17	5·7	5·2	+0·5	3·71	5·38	24·39	28·39
Assam	94·6	75·8	90·4	78·4	84·4	+1·4										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 14th August 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 5th to 11th August 1888.

Month.	Date.	Temperature.				Mean wet bulb.	Hygrometry.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1888.		°	°	°	°	°	Inches.	°	%	Inches.
August	5th ...	83·4	91·5	11·7	79·8	80·5	1·003	79·3	87	0·01
"	6th ...	83·6	92·0	12·4	79·6	80·8	1·015	79·7	88	0·14
"	7th ...	84·5	90·8	11·0	79·8	81·1	1·016	79·7	85	0·47
"	8th ...	85·9	91·8	11·8	80·0	82·5	1·066	81·2	86	0·38
"	9th ...	83·5	90·0	10·9	79·1	81·0	1·026	80·0	89	0·08
"	10th ...	82·0	88·0	8·2	79·8	80·7	1·032	80·2	94	0·41
"	11th ...	79·4	85·2	7·4	77·8	79·0	·987	78·8	98	2·13

	°
The mean temperature of the seven days	83·2
The extreme variation of temperature	14·2
The maximum temperature	92·0
	%
The mean relative humidity	90
	Inches.
The total fall of rain from 5th to 11th August 1888	3·62

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 13th August 1888.

J. ELIOT,
Offg Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 5th to 11th August 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather.
					Mean	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction	Miles recorded.		
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Aug.	5th	154·0	7·0	29·506	84·4	89 3	10 0	79·3	80 6	0·996	79 1	84	S by W, E and ESE	156	0 18	Chiefly cloudy, o, d, p, ⌓.
„	6th	149 2	7 4	·483	84·0	89 6	10 9	78 7	80·4	·989	78·9	85	E by S and SE ..	190	0·35	Chiefly Cloudy, o, d, p.
„	7th	152·9	8·2	·491	84 6	89 4	10 2	79·2	80 8	1 002	79 3	84	ESE and SE ..	169	0 18	Chiefly cloudy, o, g, d, p.
„	8th	151 8	8·0	·487	84 7	87·9	8 4	79 5	80·8	1·003	79 3	84	E, SSE and SE	133	0·66	Chiefly cloudy, o, g, p, t, <
„	9th	150·0	3·7	·505	83 7	87 8	9 1	78·7	80 1	0 9·2	78 7	85	SSE and SE by S ...	146	0 06	Chiefly cloudy, o, g, d.
„	10th	151·0	1 7	·505	82 8	86·9	7 7	79·2	80·2	·998	79 2	89	SE by S and SSE ...	93	0·25	Chiefly cloudy, o, g, d, p, t
„	11th	132 4	Nil	·444	80 9	83·9	6 7	77·2	79·0	·966	78 2	91	SW and variable ..	85	1·71	Cloudy, o, g, p, d.

	Inches.
The mean pressure of the seven days	29·489
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·588
	Hours.
The total number of hours of bright sunshine	36·0
The maximum possible number of hours of sunshine	91 0
	°
The mean temperature of the seven days	83 6
The average temperature of the corresponding period for 24 years, S. G.'s Office	83·2
The extreme variation of temperature	12·4
The maximum temperature	89·6
	Miles.
The highest velocity of the wind in one hour	13
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	86
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	86
	Inches.
The total fall of rain from 5th to 11th August 1888	3·39
The average fall of the corresponding period for 24 years, S. G.'s Office ...	2·27
The total fall from 1st January to 11th August 1888	31·56
The average fall of the corresponding period for 24 years, S. G.'s Office ...	39·03

The mean pressure, temperature, &c, are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological-Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, < lighting, ⌓ dew.

J. Eliot,
Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 13*th August* 1888.

MEMORANDUM.

The chief features in connection with the vital statistics of the principal Municipalities in Bengal for the week ending 28th July 1888 are the following :—

1. That births were registered in these Municipalities at the rate of 19· per 1,000 of population, as opposed to very nearly the same proportion, viz., 19·1 per 1,000, in the preceding week, and deaths at 20·7 per 1,000, against 21·2 per 1,000.

2. That the highest proportions of births and deaths were returned from the following Municipalities :—

Births.	Ratio per *mille.*	*Deaths.*	Ratio per *mille.*
Comillah	34·7	Puri	79·7
Monghyr	34·4	Gya	36·9
Darjiling	32·6	Monghyr	33·4
Gya	31·4	Naraingaunj	33·1
Bhagulpore	30·8	Darjiling	32·6
Durbhanga	30·7		

3. That the mortality from the specific death-causes stood as follows, in comparison with the similar information for the preceding week :—

	Ratio per *mille* during the weeks ending—	
	28th July 1888.	21st July 1888.
Cholera	3·5	2·4
Small-pox	.....	·1
Fever	7·8	7·9
Bowel-complaints	3·0	2·5
Injury	·3	·6
Other causes	6·1	7·7

The only noticeable points in the above figures are that there was an increase of fatal results from cholera, and a diminution in that from the maladies grouped under the head of "Other causes."

4. That fever was noticeably severe in Gya town (mortality, 22·5 per 1,000 of population), and bowel-complaints prevalent in Puri Municipality (mortality, 10 5 per 1,000 of population), while cholera and "Other causes" gave rise to the highest mortality in the following Municipalities :—

Cholera.	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Puri	48·2	Serampore	15·7
Chupra	13·7	Puri	12·6
Suburbs of Calcutta	4·9	Monghyr	10·8
Gya	4·1		
Dacca	3·9		
Patna	3·6		

5. That the mortality according to *Sex, Class* and *Age* stood as follows :—

According to Sex.

	Ratio per *mille.*
Males	20·6
Females	20·8
Ratio of male deaths to every 100 female deaths	112

According to Class.

	Ratio per *mille.*
Christians ...	17·4
Hindus ...	23·4
Mahomedans ...	14·7

According to Age.

	Ratio per *mille.*
Under 1 year ...	183·5
1 and under 5 years ...	44·6
5 " 10 " ...	11·9
10 " 15 " ...	9·0
15 " 20 " ...	16·2
20 " 30 " ...	14·2
30 " 40 " ...	10·7
40 " 50 " ...	14·9
50 " 60 " ...	14·7
60 years and upwards ...	32·9

D. D. Cunningham, M.B., *Surgeon-Major,*
Offg. Sanitary Commissioner for Bengal.

The 13*th August* 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 28th July 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	9	6	15	13·7	9·2	22·9	150	...	...	7	...	...	4	11	...	...	10·7	...	...	6·1	16·8	19·8	7	4	20·2	13·0	175
Midnapore ...	Midnapore ...	16,917	16,633	33,560	6	9	15	9·3	13·9	23·2	68	1	...	1	1	...	5	8	1·5	...	1·5	1·5	...	7·7	12·4	9·3	4	4	12·3	12·5	100
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	3	8	11	4·0	10·7	14·8	37	...	...	7	2	1	1	11	...	...	9·4	2·7	1·3	1·3	14·8	10·7	4	7	10·8	15·6	57
Serampore ...	Serampore ...	13,559	12,937	26,496	3	4	7	5·9	7·8	13·7	75	...	...	4	1	...	8	13	...	...	7·8	1·9	...	15·7	25·5	37·3	9	4	34·5	16·1	225
	Utterpara ...	3,046	2,464	5,510	2	...	2	18·9	...	18·9	No female birth.	...	...	...	...	...	1	1	...	...	...	..	...	9·4	9·4	9·4	1	...	17·0	...	No female death.
Howrah ...	Howrah ...	53,153	37,660	90,813	19	17	36	10·9	9·7	20·6	111	1	...	4	3	...	11	19	·6	...	2·3	1·7	...	6·3	10·9	9·2	6	13	5·9	13·1	46
	Bali ...	7,836	6,973	14,815	...	3	3	...	10·5	10·5	No male birth.	1	...	1	1	...	2	5	3·5	...	3·5	3·5	...	7·0	17·5	10·5	3	2	19·9	14·9	150
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	42	37	79	8·7	7·7	16·4	113	24	...	50	23	...	39	136	4·9	...	10·3	4·7	...	8·1	28·1	26·5	77	59	27·2	29·4	130
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	4	4	8	7·5	7·5	15·1	100	...	...	5	...	...	...	5	...	...	9·4	...	...	...	9·4	7·5	3	2	11·8	7·3	150
	Ranaghat ...	4,028	4,655	8,683	1	...	1	6·0	...	6·0	No female birth.	...	...	1	...	...	...	1	...	...	6·0	...	...	...	6·0	12·0	...	1	...	11·2	No male death.
	Santipore ...	13,708	15,979	29,687	1	2	3	1·7	3·5	5·2	50	...	...	3	...	...	...	3	...	...	5·2	...	...	...	5·2	12·2	...	3	...	9·8	Ditto.
Jessore ...	Jessore ...	4,830	3,665	8,495	1	...	1	6·1	...	6·1	No female birth.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12·2	...	...	...	...	......
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	2	2	4	5·2	5·2	10·5	100	...	...	3	1	1	...	5	...	...	7·9	2·6	2·6	...	13·1	21·0	3	2	14·5	11·5	150
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	2	3	5	13·0	19·5	32·6	66	...	...	3	2	...	...	5	...	...	19·5	13·0	...	...	32·6	26·1	3	2	36·9	35·3	150
Dacca ...	Dacca ...	42,782	37,379	80,161	4	9	13	2·6	5·8	8·4	44	6	...	3	...	...	12	21	3·9	...	1·9	...	..	7·8	13·6	15·6	10	11	12·2	15·3	90
	Narainganj ...	7,606	4,956	12,561	3	1	4	12·4	4·1	16·5	300	2	...	1	2	...	3	8	8·3	...	4·1	8·3	...	12·4	33·1	16·5	2	6	13·7	63·0	33
Chittagong ...	Chittagong ...	13,340	8,790	22,130	...	...	...	...	...	..	......	...	...	...	...	...	1	1	...	...	...	...	...	2·3	2·3	7·0	...	1	...	5·9	No male death.
Tipperah ...	Comillah ...	8,153	5,353	13,506	7	2	9	27·0	7·7	34·7	350	...	...	1	1	...	3	5	...	...	3·8	3·8	...	11·5	19·2	46·2	3	2	19·1	19·4	150
Patna ...	Patna City ...	78,762	81,475	160,237	34	25	59	11·0	8·1	19·1	136	11	...	15	10	1	16	53	3·6	...	4·9	3·2	·3	5·2	17·2	20·1	26	27	17·3	17·2	96
Gya ...	Gya ...	38,290	37,831	76,121	21	25	46	14·3	17·1	31·4	84	6	...	33	7	...	8	54	4·1	...	22·5	4·8	...	5·4	36·9	36·9	32	22	43·5	30·2	145
Shahabad ...	Arrah ...	20,960	22,505	43,465	7	9	16	6·4	10·7	19·1	77	...	...	6	1	...	2	9	...	...	7·1	1·2	...	2·4	10·7	15·6	4	5	9·9	11·6	80
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	9	8	17	10·9	9·7	20·7	112	...	...	2	...	1	3	6	...	...	2·4	...	1·2	3·6	7·3	20·7	4	2	9·0	5·3	200
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	18	21	39	14·2	16·5	30·7	85	...	...	9	1	...	6	16	...	...	7·1	·8	...	4·7	12·6	16·5	4	12	6·2	19·3	33
Sarun ...	Chupra ...	26,044	27,205	53,249	3	6	9	2·9	5·8	8·8	50	14	...	3	6	1	4	28	13·7	...	2·9	5·8	1·0	3·9	27·3	16·6	13	15	26·0	28·7	86
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	16	18	34	14·5	16·3	30·8	88	...	...	15	2	...	8	25	...	...	13·6	1·8	...	7·2	22·6	29·9	13	12	23·8	22·4	108
Monghyr ...	Monghyr ...	28,154	29,366	57,520	20	18	38	18·1	16·3	34·4	111	...	...	15	8	2	12	37	...	...	13·6	7·2	1·8	10·8	33·4	19·9	19	18	35·1	31·9	105
Purneah ...	Purneah ...	8,463	6,553	15,016	1	1	2	3·4	3·4	6·9	100	...	...	3	...	...	...	3	...	...	10·4	...	...	...	10·4	13·9	3	...	18·4	...	No female death.
Puri ...	Puri ...	13,247	11,537	24,784	5	3	8	10·5	6·3	16·8	166	23	...	3	5	1	6	38	48·2	...	6·3	10·5	2·1	12·6	79·7	69·2	26	12	102·1	54·1	216
	TOTAL ...	702,890	619,691	1,322,581	243	241	484	9·5	9·5	19·0	100	89	...	196	77	8	155	527	3·5	...	7·8	3·0	·3	6·1	20·7	21·2	279	248	20·6	20·8	113

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

Districts.	Names of Municipalities.	13 Mortality according to— Class. Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	14 Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	15 Age. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16 Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	7	4	...	...	...	15·4	24·3	...	...	2	2	...	.	...	...	2	3	1	1	157·6	46·1	......	......	......	......	15·1	35·3	21·2	35·1
Midnapore ...	Midnapore ...	...	8	..	...	...	...	16·0	...	...	...	1	...	...	...	2	1	2	2	...	..	79·0	......	....	......	32·9	7·1	18·8	27·9	......	......
Hughli ...	Hughli and Chinsurah ...	...	7	4	...	...	...	11·5	30·5	...	...	4	1	2	..	...	2	...	1	...	1	220·6	19·5	29·9	......	......	13·4	......	10·1	......	20·7
Serampore ...	Serampore ...	...	12	1	...	...	...	24·7	55·4	...	...	5	2	1	...	...	3	...	...	1	1	336·2	57·6	20·7	...	......	27·1	......	......	27·2	37·4
	Utterpara ...	...	1	...	...	...	...	9·7	...	...	...	...	...	...	...	...	1	...	...	...	...	......	......	......	......	......	45·2	......	......	......	......
Howrah ...	Howrah ...	...	16	3	...	...	...	12·3	7·6	...	...	3	1	1	1	1	4	4	1	...	3	75·0	9·4	8·3	7·9	7·1	9·2	10·5	4·4	......	41·6
	Bali ...	...	5	...	...	...	...	19·4	...	...	...	...	...	...	...	1	1	...	1	1	1	......	......	......	......	39·0	15·5	......	26·9	49·6	71·0
24 Pergunnahs ...	Suburbs of Calcutta ...	3	99	34	...	...	38·5	34·3	18·3	...	...	29	15	6	6	8	30	12	13	6	11	316·5	48·3	15·8	17·4	23·1	25·8	12·1	10·9	18·4	40·2
Nuddea ...	Kishnaghur ...	...	5	...	...	...	...	14·0	...	...	...	...	...	1	1	...	...	1	...	2	...	......	......	15·1	18·5	......	......	12·1	......	49·4	......
	Ranaghat ...	...	1	...	...	...	...	7·1	...	...	...	...	...	...	...	...	...	...	1	...	...	......	......	......	......	......	......	......	51·8	......	......
	Santipore ...	...	3	...	...	...	...	7·5	...	...	...	...	2	...	...	...	...	...	1	...	...	......	35·9	......	......	......	......	......	14·8	......	......
Jessore ...	Jessore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	......	......	......	......	......	......	......	......	......
Rajshahye ...	Rampore Beauleah ...	...	4	1	...	...	...	21·0	5·3	...	...	...	...	...	1	1	2	...	...	...	1	......	......	......	28·9	31·3	25·0	......	......	......	54·0
Darjiling ...	Darjiling ...	...	5	...	...	...	...	56·6	...	...	...	...	3	...	...	...	...	1	...	...	1	......	212·3	......	......	......	......	36·3	......	......	307·7
Dacca ...	Dacca ...	...	14	7	...	...	...	15·1	9·2	...	...	4	3	1	...	2	2	1	4	1	3	109·6	21·2	5·2	......	14·2	6·8	4·9	24·2	11·0	28·0
	Narainganj ...	...	4	4	...	...	...	32·9	33·8	...	...	1	1	...	...	1	3	1	...	1	...	133·4	45·6	......	......	40·5	58·4	24·3	......	66·4	......
Chittagong ...	Chittagong ...	...	...	1	...	...	...	...	3·4	...	...	...	...	...	...	...	...	...	1	...	...	......	......	......	......	......	......	......	23·0	......	......
Tipperah ...	Comillah ...	...	2	3	...	...	...	17·5	21·1	...	...	1	...	...	...	..	2	1	...	1	...	175·1	......	......	......	......	37·6	26·1	......	64·9	......
Patna ...	Patna City ...	1	41	11	...	...	146·5	17·9	14·0	...	...	9	13	7	4	1	3	1	2	3	10	108·6	46·3	21·6	14·5	4·6	5·4	2·2	5·5	11·0	37·6
Gya ...	Gya ...	...	41	13	...	...	...	35·5	42·0	...	...	22	14	...	...	1	4	5	3	1	4	630·1	114·6	......	......	9·9	26·5	20·4	16·0	7·9	40·4
Shahabad ...	Arrah ...	...	5	4	...	...	...	8·4	16·8	...	...	...	3	2	...	1	...	..	...	2	1	......	35·2	20·3	......	16·5	......	......	......	33·6	18·0
Mozufferpore ...	Mozufferpore ...	...	4	2	...	...	...	6·9	8·3	...	...	1	1	...	...	...	1	...	2	...	1	54·4	12·9	......	......	......	6·0	......	20·7	......	21·3
Durbhanga ...	Durbhanga ...	...	14	2	...	...	...	14·8	5·9	...	...	4	6	1	...	1	...	2	...	2	...	133·6	41·0	6·6	......	12·9	......	9·3	......	23·7	......
Sarun ...	Chupra ...	...	26	2	...	...	...	32·9	8·7	...	...	4	6	3	5	4	1	3	1	...	1	144·0	58·7	25·3	50·4	58·3	5·5	19·3	8·3	......	15·0
Bhagulpore ...	Bhagulpore ...	...	17	8	...	...	...	22·2	24·1	...	...	6	6	1	...	2	2	2	1	3	2	261·3	57·6	8·9	......	24·9	9·5	11·2	8·1	36·6	28·9
Monghyr ...	Monghyr ...	...	31	6	...	...	...	36·1	24·6	...	...	10	11	1	1	1	2	5	3	...	3	350·2	91·9	7·4	9·1	13·8	10·1	29·1	24·5	......	43·5
Purneah ...	Purneah ...	...	2	1	...	...	...	11·3	9·1	...	...	...	1	...	1	...	...	...	1	...	...	......	43·0	......	43·5	......	......	......	28·0	......	......
Puri ...	Puri ...	...	38	...	...	...	...	80·6	...	...	...	1	3	3	...	4	10	4	5	2	6	171·6	86·8	59·6	......	111·9	96·4	51·3	78·3	46·6	172·8
	TOTAL ...	4	412	111	...	...	17·4	23·4	14·7	...	...	197	94	30	20	31	74	47	46	27	51	183·5	44·6	11·9	9·0	16·2	14·2	10·7	14·9	14·7	32·9

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 13th August 1888.

D. D. CUNNINGHAM, M.B., *Surgeon-Major,*
Offg. Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of June 1888.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDAH CANAL, 27 MILES. MACHGONG „ 4 „

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
	1. Grain ... 2. Cotton ... 3. Oilseeds ... 4. Salt ... 5. Piece-goods ... 6. Metal ... 7. Building materials 8. Miscellaneous .... 9. Fuel ... 10. Timber ... 11. Bamboos ...	......	......	Nil.				
	12. Total ...							
58 & 1 raft.	13. Total of same month last year	......	686 & 1,000 No.	686 & 1,000 No.	3,045	610 & 1,000 No.	2,940	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.			
15. Total number of boats plying passenger No.			
15½. Total number of empty boats ... No.			
16. Total registered tonnage, cargo ... Tons			
17. Total registered tonnage, passenger ... Tons			
18. Ton-mileage ...			
19. Estimated value of cargo Rs.			
20. Number of passengers ...	......	Nil.	
21. Rafts, bamboos c. ft.			
22. Do., bullahs „			
23. Estimated value of rafts Rs.			
24. Tollage on boats „			
25. Compounded tollage on boats ... Rs.			
26. Tollage on rafts „			
27. Total tollage on boats per ton-mile ...			
28. Total tollage on rafts per 100 cubic feet ...			

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	......
Total tollage of same month last year ...	265 3 9

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	......
2. Tollage per month ...	......
3. Total ...	......
4. Amount credited in the accounts of the month ...	......
5. Balance due at the end of the month ...	......

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
51	1. Grain ...	231	334	565	29,820	565	29,820	
...	2. Cotton ...	......	......	......	......	......	......	
...	3. Oilseeds ...	......	......	......	......	......	......	
2	4. Salt ...	11	......	11	900	11	900	
...	5. Piece-goods ...	......	......	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
22	7. Building materials	......	214	214	510	49	200	
60	8. Miscellaneous ...	193	140	333	83,970	333	83,970	
...	9. Fuel ...	......	......	......	......	......	......	
2 rafts	10. Timber ...	......	76 No.	76 No.	150	76 No.	150	
4 „	11. Bamboos ...	......	10,250 „	10,250 „	130	10,250 „	130	
135 & 6 rafts.	12. Total ...	435	688 & 10,326 No.	1,123 & 10,326 No.	1,15,480	958 & 10,326 No.	1,15,170	
91 & 5 rafts.	13. Total of same month last year	559 & 94 No.	114 & 216 No.	673 & 310 No.	34,800	648 & 310 No.	34,450	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	56	79	135
15. Total number of boats plying passenger No.	7	6	13
15½. Total number of empty boats No.	77	60	137
16. Total registered tonnage, cargo Tons	811	1,121	1,932
17. Total registered tonnage, passenger Tons	168	79	247
17½. Total number of empty boats. Tons	565	355	920
18. Ton-mileage ...	44,754	41,292	86,046
19. Estimated value of cargo Rs.	58,960	56,240	1,15,200
20. Number of passengers ...	284	58	342
21. Rafts, bamboos No.	......	10,250	10,250
22. Do., bullahs „	......	76	76
23. Estimated value of rafts Rs.	......	280	280
24. Tollage on boats „	705-4-9	575-3-9	1,280-8-6
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts „	......	9-2-10	9-2-10
27. Total tollage on boats per ton-mile ...	......	......	0-0-3
28. Total tollage on rafts per 100 cubic feet ...	......	......	0-1-5

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	1,289 11 4
Total tollage of same month last year ...	941 6 0

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	5,848 4 11
2. Tollage per month ...	1,289 11 4
3. Total ...	7,138 0 3
4. Amount credited in the accounts of the month ...	1,246 11 10
5. Balance due at the end of the month ...	5,891 4 5

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 34 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
7	1. Grain ...	41	......	41	3,300	41	3,300	
...	2. Cotton ...	......	......	......	......	......	......	
1	3. Oilseeds ...	2	......	2	200	2	200	
...	4. Salt ...	......	......	......	......	......	......	
...	5. Piece-goods ...	......	......	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
...	7. Building materials	......	......	......	......	......	......	
3	8. Miscellaneous ...	3	......	3	110	3	110	
...	9. Fuel ...	......	......	......	......	......	......	
...	10. Timber ...	......	......	......	......	......	......	
...	11. Bamboos ...	......	......	......	......	......	......	
11	12. Total ...	46	......	46	3,610	46	3,610	
54 & 14 rafts.	13. Total of same month last year	213 & 210 No.	54	267 & 210 No.	22,480	267 & 210 No.	22,480	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	11	......	11
15. Total number of boats plying passenger No.	......	......	......
15½. Total number of empty boats No.	7	......	7
16. Total registered tonnage, cargo Tons	82	......	82
17. Total registered tonnage, passenger Tons	......	......	......
17½. Total number of empty boats Tons	24	......	24
18. Ton-mileage ...	2,230	......	2,230
19. Estimated value of cargo Rs.	3,610	......	3,610
20. Number of passengers ...	......	......	......
21. Rafts, bamboos c. ft.	......	......	......
22. Do., bullahs „	......	......	......
23. Estimated value of rafts Rs.	......	......	......
24. Tollage on boats „	29-5-0	......	29-5-0
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts „	......	......	......
27. Total tollage on boats per ton-mile ...	......	......	0-0-1·6
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	29	5	0
Total tollage of same month last year	235	6	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	11	12	6
2. Tollage per month ...	29	5	0
3. Total ...	41	1	6
4. Amount credited in the accounts of the month	25	3	0
5. Balance due at the end of the month ...	15	14	6

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
4	1. Grain ...	17½	......	17½	614	17½	614	
...	2. Cotton ...	......	......	......	......	......	......	
...	3. Oilseeds ...	......	......	......	......	......	......	
...	4. Salt ...	......	......	......	......	......	......	
...	5. Piece-goods ...	......	......	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
12	7. Building materials	2	77	79	129	......	......	
9	8. Miscellaneous ...	......	21	21	1,785	21	1,785	
...	9. Fuel ...	......	......	......	......	......	......	
1 raft	10. Timber ...	......	20 No	20 No.	120	20 No.	120	
9 "	11. Bamboos ...	......	2,016 "	2,016 "	60	2,016 "	60	
25 & 10 rafts.	12. Total ...	19½	98 & 2,036 No.	117½ & 2,036 No.	2,708	38½ & 2,036	2,579	
66 & 29 rafts.	13. Total of same month last year.	49	262 & 4,173 No.	311 & 4,173 No.	11,338	86 & 4,173 No.	11,123	

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.	6	19	25
15. Total number of boats plying passenger No.	......	1	1
15½. Total number of empty boats No.	20	6	26
16. Total registered tonnage cargo Tons	132	222	354
17. Total registered tonnage passenger Tons	......	1	1
18. Ton-mileage	1,156	1,758	2,914
19. Estimated value of cargo Rs.	674	1,854	2,528
20. Number of passengers ...	......	4	4
21. Rafts, bamboos No.	......	2,016	2,016
22. Do., bullahs "	......	20	20
23. Estimated value of rafts Rs.	......	180	180
24. Tollage on boats "	48-11-0	3-1-6	51-12-6
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts "	......	5-13-6	5-13-6
27. Total tollage on boats per ton-mile	......	......	0-0-3·4
28. Total tollage on rafts per 100 cubic feet ...	......	......	0-4-7

	Rs. A. P.
Total tollage of month—24+25+26 ...	57 10 0
Total tollage of same month last year ...	183 2 9

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	......
2. Tollage per month ...	57 10 0
3. Total ...	57 10 0
4. Amount credited in the accounts of the month ...	57 10 0
5. Balance due at the end of the month ...	......

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	REMARKS.
...	1. Grain ...	......	......	......	......	......	......	
...	2. Cotton ...	......	......	......	......	......	......	
...	3. Oilseeds ...	......	......	......	......	......	......	
6	4. Salt ...	20	1½	21½	2,500	21½	2,500	
...	5. Piece-goods ...	......	......	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
8	7. Building materials	......	64	64	225	......	......	
...	8. Miscellaneous ...	......	......	......	......	......	......	
...	9. Fuel ...	......	......	......	......	......	......	
...	10. Timber ...	......	......	......	......	......	......	
...	11. Bamboos ...	......	......	......	......	......	......	
14	12. Total ...	20	65½	85½	2,725	21½	2,500	
7	13. Total of same month last year.	6	27	33	2,711	14	2,643	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	5	9	14
15. Total number of boats plying passenger No.	1	......	1
15½. Total number of empty boats No.	8	5	13
16. Total registered tonnage, cargo Tons	82	158	240
17. Total registered tonnage, passenger Tons	......	......	......
18. Ton-mileage ...	1,036	896	1,932
19. Estimated value of cargo Rs.	2,300	425	2,725
20. Number of passengers ...	......	......	......
21. Rafts, bamboos c. ft.	......	......	......
22. Do., bullahs "	......	......	......
23. Estimated value of rafts Rs.	......	......	......
24. Tollage on boats "	11-2-6	25-3-6	36-6-0
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	......	......	......
27. Total tollage on boats per ton-mile ...	......	......	0-0-3·6
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	36	6	0
Total tollage of same month last year	14	12	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	......		
2. Tollage per month ...	36	6	0
3. Total ...	36	6	0
4. Amount credited in the accounts of the month ...	36	6	0
5. Balance due at the end of the month ...	......		

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
1,132	1. Grain ...	5,871	696	6,567	3,14,591	6,567	3,14,591	
6	2. Cotton ...	12	6	18	4,170	18	4,170	
33	3. Oilseeds ...	194	137	331	34,065	331	34,065	
208	4. Salt ...	......	2,471	2,471	2,27,725	2,471	2,27,725	
1	5. Piece-goods ...	*......	......*	......*	400	......*	400	* 4 maunds.
18	6. Metal ...	56	108	164	1,56,000	164	1,56,000	
52	7. Building materials	674	19	693	2,172	679	2,127	
415	8. Miscellaneous ...	941	979	1,920	7,75,730	1,920	7,75,730	
65	9. Fuel ...	305	441	746	8,138	746	8,138	
20 rafts.	10. Timber ...	4,369 c. ft.	94 c. ft.	4,463 c. ft.	2,433	4,463 c. ft.	2,433	
8 "	11. Bamboos ...	3,765 "	55 "	3,820 "	38	3,820 "	38	
1,930 & 28 rafts.	12. Total ...	8,053 & 8,134 c. ft.	4,857 c. ft 149 "	12,910 & 8,283 c. ft	15,25,462	12,896 & 8,283 c. ft.	15,25,417	
1,911 & 26 rafts.	13. Total of same month last year.	8,452 & 1,452 c. ft.	5,853 & 155 c. ft.	14,305 & 1,607 c. ft.	14,60,810	14,305 & 1,607 c. ft.	14,60,840	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	1,405	525	1,930
15. Total number of boats plying passenger No.	563	604	1,167
15½. Total number of empty boats ... No.	638	1,020	1,658
16. Total registered tonnage, cargo Tons	22,241	10,540	32,781
17. Total registered tonnage, passenger ... Tons	3,161	3,095	6,256
17½. Total registered tonnage, empty ... Tons	2,749	4,539	7,288
18. Ton-mileage ...	5,89,795	3,56,363	9,46,158
19. Estimated value of cargo Rs.	7,21,309	8,01,682	15,22,991
20. Number of passengers ...	6,672	9,055	15,727
21. Rafts, bamboos c. ft.	3,765	55	3,820
22. Do., bullahs "	4,369	94	4,463
23. Estimated value of rafts Rs.	2,274	197	2,471
24. Tollage on boats "	8,640-[illegible]9	5,772-6-6	14,413-2-3
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts "	53-3-3	0-6-3	53-9-6
27. Total tollage on boats per ton-mile Pie	......	......	0-0-3
28. Total tollage on rafts per 100 cubic feet ...	......	......	0-10-4

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	14,466	11	9
Total tollage of same month last year ...	12,639	8	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month...	3,580	7	2
2. Tollage per month ...	14,466	11	9
3. Total ...	18,047	2	11
4. Amount paid into treasury during the month ...	11,853	0	3
5. Balance due at the end of the month ...	6,194	2	8

HIDGELLEE TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
629	1. Grain ...	5,199	......	5,199	1,87,718	5,199	1,87,718	
...	2. Cotton ...	......	......	......	......	......	......	
...	3. Oilseeds ...	......	......	......	......	......	......	
69	4. Salt ...	......	587	587	65,800	587	65,800	
13	5. Piece-goods ...	......	60	60	49,250	60	49,250	
1	6. Metal ...	......	4	4	500	4	500	
11	7. Building materials	16	67	83	1,240	72	1,210	
978	8. Miscellaneous ...	1,022	700	1,722	1,30,129	1,718	1,29,629	
9	9. Fuel ...	12	66	78	529	78	529	
2 rafts	10. Timber ...	11 c. ft.	216 c. ft.	227 c. ft.	320	11 c. ft.	40	
...	11. Bamboos ...	......	......	......	......	......	......	
1,710 & 2 rafts.	12. Total ...	6,249 & 11 c. ft.	1,484 & 216 c. ft.	7,733 & 227 c. ft.	4,35,486	7,718 & 11 c. ft	4,34,676	
1,401 & 2 rafts.	13. Total of same month last year.	4,040	1,588 & 632 c. ft	5,628 & 632 c. ft.	3,16,312	5,620 & 632 c. ft.	3,15,312	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	792	918	1,710
15. Total number of boats plying passenger No.	44	51	95
16. Total registered tonnage, cargo Tons	12,925	7,683	20,608
17. Total registered tonnage, passenger Tons	452	524	976
18. Ton-mileage	2,83,759	1,71,981	4,55,740
19. Estimated value of cargo Rs	210,705	2,24,461	4,35,166
20. Number of passengers ...	380	1,660	2,040
21. Rafts, bamboos c. ft.	......	300	300
22. Do., bullahs „	11	216	227
23. Estimated value of rafts Rs.	40	280	320
24. Tollage on boats „	4,971-10-3	3,042-3-6	8,013-13-9
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts „	0-4-0	9-0-0	9-4-0
27. Total tollage on boats per ton-mile Pie	......	......	0-0-3·3
28. Total tollage on rafts per 100 cubic feet Rs.	......	......	4-1-2

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	8,023	1	9
Total tollage of same month last year .	5,418	12	9

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	2,361	8	3
2. Tollage per month ...	8,023	1	9
3. Total ...	10,384	10	0
4. Amount paid into treasury during the month . .	7,951	10	3
5. Balance due at the end of the month ...	2,432	15	9

SONE CIRCLE.

PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	PRIVATE. Quantity. Tons.	Value. Rupees.	REMARKS.
37	1. Grain ...	63	328	391	21,460	391	21,460	
...	2. Cotton ...	......	......	......	......	......	......	
103	3. Oilseeds ...	1	1,374	1,375	1,16,555	1,375	1,16,555	
19	4. Salt ...	221	......	221	8,798	221	8,798	
42	5. Piece-goods ...	315	......	315	17,378	306	17,228	
...	6. Metal ...	3	1	4	32,580	4	32,580	
15	7. Building materials	9	138	147	1,186	74	621	
104	8. Miscellaneous ...	404	613	1,017	1,01,590	1,016	1,01,320	
10	9. Fuel boats	37	7	44	362	24	272	
8	10. Timber „	96	......	96	2,155	......	......	
	Do. rafts	......	282	282	2,005	282	2,005	
15	11. Bamboos boats	82	18	100	2,295	100	2,295	
	Do. rafts	41	1,061	1,102	14,684	1,102	14,684	
353	12. Total ...	1,272	3,822	5,094	3,21,048	4,895	3,17,818	
268	13. Total of same month last year.	1,207	2,077	3,284	2,43,205	2,949	2,33,808	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	155	198	353
15. Total number of boats plying passenger No.	6	4	10
15½. Total number of empty boats No.	244	23	267
16. Total registered tonnage, cargo Tons	3,604	4,458	8,062
17. Total registered tonnage, passenger Tons	114	108	222
17½. Total registered tonnage, empty Tons	1,433	105	1,538
18. Ton-mileage ...	2,22,995	3,97,238	6,20,233
19. Estimated value of cargo Rs.	68,803	2,35,556	3,04,359
20. Number of passengers ...	334½	345	679½
21. Rafts, bamboos c. ft.	6,200	1,59,122	1,65,322
22. Do., bullahs „	.....	21,118	21,118
23. Estimated value of rafts Rs.	1,160	15,529	16,689
24. Tollage on boats „	1,839-8-0	3,382-11-0	5,222-3-0
25. Compounded tollage on boats Rs.	44-3-9	44-0-0	(—)88-3-9
26. Tollage on rafts „	1-15-0	505-3-9	507-2-9
27. Total tollage on boats per ton-mile Pie	......	......	0-0-1·61
28. Total tollage on rafts per 100 cubic feet Rs.	......	......	0-4-4

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	5,641	2	0
Total tollage of same month last year ...	3,685	11	2

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	343	11	3
2. Tollage per month ...	5,641	2	0
3. Total ...	5,984	13	3
4. Amount credited in the accounts of the month ...	4,997	13	0
5. Balance due at the end of the month ...	987	0	3

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	PRIVATE. Quantity. Tons.	Value. Rupees.	REMARKS.
40	1. Grain ...	110	522	632	36,555	632	36,555	
...	2. Cotton ...	1	......	1	720	1	720	
4	3. Oilseeds ...	......	24	24	1,800	24	1,800	
28	4 Salt ...	258	......	258	30,598	258	30,598	
...	5. Piece-goods ...	16	......	16	22,130	16	22,130	
4	6. Metal ...	31	1	32	3,273	2	273	
3	7. Building materials	......	19	19	143	19	143	
23	8. Miscellaneous ...	60	241	301	7,999	278	7,959	
...	9. Fuel ...	......	......	......	......	......	......	
...	10. Timber ...	1	2	3	460	3	460	
Rafts	Firewood ...	......	55	55	154	55	154	
	Bullahs ...	......	272	272	1,203	272	1,203	
	11. Bamboos ...	......	71	71	755	71	755	
102	12. Total ...	477	1,207	1,684	1,05,790	1,631	1,02,750	
101	13. Total of same month last year.	567	756	1,323	1,68,825	1,282	1,68,650	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	45	57	102
15. Total number of boats plying passenger No.	......	1	1
15½. Total number of empty boats No.	50	21	71
16. Total registered tonnage, cargo Tons	719	1,217	1,936
17. Total registered tonnage, passenger Tons	33	37	70
17½. Total registered tonnage, empty Tons	221	80	301
18. Ton-mileage ...	52,154	70,027	1,22,181
19. Estimated value of cargo Rs.	66,754	36,924	1,03,678
20. Number of passengers ...	459	485	944
21. Rafts, bamboos c. ft.	......	10,787	10,787
22. Do., bullahs "	......	20,466	20,466
22½. Do, firewood "	......	4,166	4,166
23. Estimated value of rafts Rs.	......	2,112	2,112
24. Tollage on boats "	367-11-9	488-7-9	856-3-6
25. Compounded tollage on boats Rs.	80-15-3	80-15-0	161-14-3
26. Tollage on rafts "	......	79-0-3	79-0-3
27. Total tollage on boats per ton-mile ...	......	......	0-0-1·59
28. Total tollage on rafts per 100 cubic feet ...	......	......	0-3-6

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	1,097	2	0
Total tollage of same month last year ...	2,144	0	5

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	111	5	9
2. Tollage per month ...	1,097	2	0
3. Total ...	1,208	7	9
4. Amount credited in the accounts of the month	1,175	1	9
5. Balance due at the end of the month ...	33	6	0

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	REMARKS.
49	1. Grain ...	11	515	526	37,084	526	37,084	
...	2. Cotton ...	......	......	......	......	......	......	
...	3. Oilseeds ...	......	......	......	......	......	......	
1	4. Salt ...	10	......	10	1,766	10	1,766	
...	5. Piece-goods ...	5	......	5	7,900	5	7,900	
...	6. Metal ...	......	......	......		......	......	
1	7. Building materials	3	......	3	36	......	......	
10	8. Miscellaneous ...	43	56	99	11,761	70	9,511	
...	9. Fuel ...	......	......	......	......	......	......	
Rafts {	10. Timber ...	......	75	75	1,480	75	1,480	
	11. Bamboos ...	......	120	120	2,160	120	2,160	
61	12. Total ...	72	766	838	62,187	806	59,901	
119	13. Total of same month last year.	212	1,832	2,044	1,86,008	2,039	1,85,808	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	8	53	61
15. Total number of boats plying passenger No.	4	4	8
15½. Total number of boats, empty No.	44	23	67
16. Total registered tonnage, cargo Tons	87	954	1,041
17. Total registered tonnage, passenger Tons	108	84	192
17½. Total registered tonnage, empty Tons	138	43	181
18. Ton-mileage ...	9,010	25,766	34,776
19. Estimated value of cargo Rs.	19,031	39,516	58,547
20. Number of passengers ...	341	230	571
21. Rafts, bamboos c. ft.	......	18,000	18,000
22. Do., bullahs „	......	5,627	5,627
23. Estimated value of rafts Rs.	......	3,640	3,640
24. Tollage on boats „	66-12-9	297-1-6	363-14-3
25. Compounded tollage on boats Rs.	31-12-3	94-0-0	125-12-3
26. Tollage on rafts „	......	101-9-6	101-9-6
27. Total tollage on boats per ton-mile Pies	......	......	0-0-2·70
28. Total tollage on rafts per 100 cubic feet Rs.	......	......	0-6-10

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	591	4	0
Total tollage of same month last year ...	906	13	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	59	4	9
2. Tollage per month ...	591	4	0
3. Total ...	650	8	9
4. Amount credited in the accounts of the month ...	427	9	6
5. Balance due at the end of the month ...	222	15	3

ABSTRACT FOR THE MONTH OF JUNE 1888 AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

Canal.	Traffic, 1888-89.		Traffic, 1887-88.		Remarks.
	During the month.	To end of the month.	During the month.	To end of the month.	
Orissa Circle.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Taldunda Canal System ...	......	373 1 9	265 3 9	820 15 0	
Kendrapara Canal System	1,289 11 4	8,286 1 3	941 6 0	7,063 7 9	
High Level, Range I ...	29 5 0	1,028 9 3	235 6 0	1,128 2 0	
Ditto, „ II ...	57 10 0	615 9 3	183 2 9	645 8 9	
Ditto, „ III ...	36 6 0	209 13 6	14 12 0	143 2 3	
Total Orissa Circle ...	1,413 0 4	10,513 3 0	1,639 14 6	9,801 3 9	
South-Western Circle.					
Midnapore Canal ...	14,466 11 9	33,911 5 9	12,639 8 6	28,022 12 9	
Hidgellee Tidal Canal ...	8,023 1 9	18,201 10 3	5,418 12 9	16,368 2 0	
Total South-Western Circle	22,489 13 6	52,113 0 0	18,058 5 3	44,390 14 9	
Sone Circle.					
Patna Canal System ...	5,641 2 0	8,843 1 6	3,685 11 2	8,006 15 6	
Arrah ditto ...	1,097 2 0	4,429 8 6	2,144 0 5	4,367 14 10	
Buxar ditto ...	591 4 0	2,754 5 3	906 13 0	2,372 10 3	
Total Sone Circle ...	7,329 8 0	16,026 15 3	6,736 8 7	14,747 8 7	
GRAND TOTAL ...	31,232 5 10	78,653 2 3	26,434 12 4	68,939 11 1	

GOVERNMENT TRANSPORT SERVICE.

Canal.	Traffic, 1888-89.						Traffic, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
Orissa Circle.	No.	Mds.*	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level	...	...	3 0 0	477	802	715 6 11	1	11	1 13 0	666	1,585	1,055 11 8
Total Orissa Circle ...	...	...	3 0 0	477	802	715 6 11	1	11	1 13 0	666	1,585	1,055 11 8

* 10 Parcels.

TOTAL NAVIGATION RECEIPTS.

Canal.	Traffic, 1888-89.		Traffic, 1887-88.		Remarks.
	During the month.	To end of the month.	During the month.	To end of the month.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals ...	1,416 0 4	11,228 9 11	1,641 11 6	10,856 15 5	
Midnapore Canal ...	14,466 11 9	33,911 5 9	12,639 8 6	28,022 12 9	
Hidgellee Tidal Canal ...	8,023 1 9	18,201 10 3	5,418 12 9	16,368 2 0	
Sone Canals ...	7,329 8 0	16,026 15 3	6,736 8 7	14,747 8 7	
Total ...	31,235 5 10	69,368 9 2	26,436 9 4	69,995 6 9	

CALCUTTA,
The 14th August 1888.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 11th August 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 11th August 1888.			Week ending Saturday, the 13th August 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	569	1,18,875	1,984	519	98,950	1,711
Jute	20	9,075	153	29	9,547	171
Firewood	151	69,875	1,055	152	79,175	1,138
Other articles	866	2,18,390	3,139	748	1,62,780	2,440
Total ...	1,606	4,16,215	6,331	1,448	3,50,452	5,455

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 5 weeks ended 30th June 1888, as compared with the same period of 1887.

STAPLES.	1888. Weight.	1888. Freight.	1887. Weight.	1887. Freight.	Increase. Weight.	Increase. Freight.	Decrease. Weight.	Decrease. Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
ANIMALS, LIVING — Horses, ponies, and mules	No. 75	938	No. 40	514	No. 35	424	No. ...	......
ANIMALS, LIVING — Cattle	" 91	929	" 62	634	" 29	295	" ...	......
ANIMALS, LIVING — Sheep and goats	" 2,803	2,293	" 1,913	1,678	" 890	615	" ...	......
ANIMALS, LIVING — Other kinds	"	......	" 80	5	" ...	......	" 80	5
Borax	945	739	433	214	507	525	......	......
Canes and rattans	98	137	96	136	2	1	......	......
Caoutchouc (Indian-rubber)	18	3	19	4	......	......	1	1
Chinese and Japanese ware	34	14	10	17	24	......	......	3
Coal and coke, up	7,04,248	2,34,954	6,47,278	2,05,454	56,970	29,500	......	......
Ditto, down	19,12,172	2,69,735	18,03,882	2,52,035	1,08,290	17,700	......	......
Cotton, raw	34,883	31,327	48,383	51,203	......	......	13,490	19,876
COTTON, MANUFACTURED — Twist and yarn (European)	10,057	13,059	10,015	13,029	42	30	......	......
COTTON, MANUFACTURED — Ditto (Indian)	14,268	9,499	14,225	9,514	43	......	......	15
COTTON, MANUFACTURED — Piece-goods (European)	92,498	1,10,902	91,660	1,09,538	838	1,364	......	......
COTTON, MANUFACTURED — Ditto (Indian)	12,109	8,925	12,435	8,960	......	......	26	35
DRUGS AND MEDICINES — Asafoetida	166	87	149	84	17	3	......	......
DRUGS AND MEDICINES — Other sorts, not intoxicating	1,660	1,820	1,352	1,561	308	259	......	......
DRUGS AND MEDICINES — Intoxicating drugs (other than opium, *i.e.*, arsenic, bhang, ganja, and charas, &c.)	3,099	1,605	1,819	1,240	1,280	356	......	......
DYEING MATERIALS — Indigo	677	530	694	557	......	......	17	27
DYEING MATERIALS — Madder or manjit	......	......	......	......	......	......	......	......
DYEING MATERIALS — Safflower	850	378	682	240	168	138	......	......
DYEING MATERIALS — Turmeric	14,667	7,621	17,002	12,170	......	......	2,335	4,549
DYEING MATERIALS — Other kinds	12,417	4,042	14,094	6,878	......	......	1,677	1,936
Earthenware and porcelain	858	1,239	710	1,073	148	166	......	......
FIBROUS PRODUCTS — Jute, raw	11,845	2,449	3,161	1,194	8,684	1,255	......	......
FIBROUS PRODUCTS — Do., manufactured (gunny bags and cloths)	1,06,680	55,992	1,12,134	55,473	......	510	5,445	......
FIBROUS PRODUCTS — Other fibres, raw	11,184	4,151	8,183	3,740	3,001	411	......	......
FIBROUS PRODUCTS — Ditto, manufactured	3,175	1,455	3,438	1,518	......	......	263	63
FRUITS & NUTS — Cocoanuts	6,171	3,098	7,075	4,048	......	......	904	650
FRUITS & NUTS — All other kinds	40,742	32,442	47,479	29,330	......	3,112	6,737	......
GRAIN & PULSES — Wheat	14,68,096	3,44,559	19,75,396	4,69,959	......	......	5,07,300	1,25,400
GRAIN & PULSES — Gram and pulses	2,11,812	39,569	3,28,962	79,859	......	......	1,17,150	40,290
GRAIN & PULSES — Rice, husked	5,28,051	1,40,264	4,87,341	1,24,034	40,610	16,230	......	......
GRAIN & PULSES — Do., unhusked	19,597	2,315	12,997	1,505	6,600	810	......	......
GRAIN & PULSES — Other rain and spring crops	1,60,560	37,333	2,20,170	48,703	......	......	59,520	11,370
Government stores	24,939	56,098	14,410	13,646	10,520	42,452	......	......
Gums and resins	8,583	3,774	7,853	3,312	730	462	......	......
HIDES & SKINS — Hides of cattle	25,249	13,824	22,758	12,700	2,491	1,124	......	......
HIDES & SKINS — Skins of sheep, goats, and small animals	23,289	12,780	18,858	12,284	4,431	496	......	......
Horns	873	544	2,334	1,347	......	......	1,461	803
LAC — Lac dye	142	162	75	101	67	61	......	......
LAC — Do. shell	15,602	10,486	20,560	14,351	......	......	4,958	3,865
LAC — Do. stick and other kinds	17,547	4,967	20,281	6,405	......	......	2,734	1,438
LEATHER — Leather, unmanufactured	1,950	3,289	1,620	2,652	330	637	......	......
LEATHER — Ditto, manufactured	1,113	1,443	1,587	2,632	......	......	474	1,189
Liquors	14,097	11,719	14,026	13,943	71	......	......	2,224
Mats	421	232	468	256	......	......	47	24
Minerals	2,28,044	28,732	1,75,401	22,808	52,643	5,924	......	......
METALS AND MANUFACTURES OF — Brass and copper	19,662	13,510	26,404	20,673	......	......	6,742	7,163
METALS AND MANUFACTURES OF — Iron	1,51,794	85,233	79,655	47,958	72,139	37,275	......	......
METALS AND MANUFACTURES OF — Other metals	5,234	4,155	4,745	4,159	489	......	......	4
Oils	46,489	23,990	25,346	11,498	21,143	12,492	......	......
Opium	10,072	6,910	8,064	5,448	2,008	1,462	......	......
Paints and colours	1,638	1,338	1,992	1,474	......	......	354	136
PROVISIONS — Ghee	19,485	14,496	21,218	21,326	......	......	1,733	6,830
PROVISIONS — Other kinds	5,054	5,190	4,439	4,585	615	605	......	......
Railway materials, Construction Account	2,13,244	8,750	69,054	2,720	1,44,190	1,030	......	......
Ditto ditto, Foreign	175,130	55,220	1,93,672	87,432	......	......	18,542	32,212
Salt	8,89,129	1,82,771	7,24,632	1,54,079	1,64,497	28,692	......	......
SALTPETRE, &C. — Saltpetre	52,265	26,066	42,229	19,987	10,036	6,079	......	......
SALTPETRE, &C. — Other saline substances	35,926	8,976	23,342	5,156	12,584	3,820	......	......
SEEDS — OIL-SEEDS — Linseed	9,15,474	2,64,089	7,95,464	2,33,009	1,20,010	31,080	......	......
SEEDS — OIL-SEEDS — Mustard and rape	4,21,667	1,23,220	3,30,777	88,940	90,890	34,280	......	......
SEEDS — OIL-SEEDS — Til or ginjelly	11,964	2,867	12,214	2,617	......	250	250	......
SEEDS — OIL-SEEDS — Other oilseeds	1,85,417	55,731	1,88,177	48,801	......	6,930	2,760	......
SEEDS — OTHER SEEDS — Indigo seed	4,157	1,132	5,867	1,442	......	......	1,710	310
SEEDS — OTHER SEEDS — Tea seed	......	......	......	......	......	......	......	......
SEEDS — OTHER SEEDS — Other kinds	35,116	13,399	31,696	14,199	3,420	......	......	800
SILK — Silk, raw	1,841	1,345	1,806	1,294	35	51	......	......
SILK — Do., manufactured (European)	......	......	......	......	......	......	......	......
SILK — Do., ditto (Indian)	1,02	880	746	692	282	188	......	......
Spices	26,409	23,220	10,923	7,032	15,576	16,188	......	......
Stone and marble	1,21,525	12,608	81,612	9,181	39,913	3,427	......	......
SUGAR — Sugar, refined	2,37,570	43,331	1,99,226	40,567	38,344	2,764	......	......
SUGAR — Do., unrefined	1,36,496	18,034	85,824	14,364	50,672	3,670	......	......
TEA — Tea, Indian	3,141	4,441	2,800	3,083	341	1,358	......	......
TEA — Do., Foreign	827	52	828	53	......	......	1	1
Tobacco	1,16,463	42,372	96,551	38,031	19,912	4,341	......	......
WOOD — Timber	25,269	8,700	31,769	8,357	......	343	6,500	......
WOOD — Firewood	53,798	4,741	48,771	5,204	5,027	......	......	403
WOOL — Wool, raw	1,312	1,009	2,118	2,101	......	......	806	1,092
WOOL — Do., manufactured (European)	125	239	118	233	7	6	......	......
WOOL — Wool, manufactured (Indian)	1,408	1,017	1,483	1,010	......	7	75	......
WOOL — Shawls	......	......	......	......	......	......	......	......
All other articles of merchandise	3,07,736	1,66,390	2,84,030	1,60,098	23,706	6,592	......	......
Bones	50,548	13,743	26,172	7,505	24,376	6,238	......	......
Potatoes	40,258	19,151	33,418	11,397	6,840	7,754	......	......
Total	1,00,72,054	27,67,869	96,70,201	26,88,852	11,65,865	3,41,791	7,64,012	2,62,774

General remarks on the fluctuation of principal staples carried over the East Indian Railway during five weeks ended 30th June 1888.

INCREASES.

Coal and coke.—There were increases in both the upwards and downwards despatches. The upward increases were almost exclusively from Giridih, and the downward increases were principally from Barakar and Sitarampur, and were due to large private orders for delivery at Howrah.

Rice (husked and unhusked).—The increase was principally in despatches from the loop line stations to stations up-country, where the demand for cheap food-grains still continued.

Government Stores.—This increase was due to large despatches of ordnance stores from Howrah.

Minerals.—The increase was principally in lime from Raneegunge as during previous months for the Kidderpore Dock-works, and from Katni for general consumption.

Iron.—Due to despatches from Howrah *viâ* Chitpur, Barakar and Agra.

Oil.—This increase was almost entirely in kerosine oil from Howrah.

Salt.—Chiefly in the despatches of imported salt from Howrah and in Sambhar salt *viâ* Agra.

Saltpetre.—The increase was principally in despatches from the Bombay, Baroda and Central India Railway *viâ* Cawnpore to Howrah.

Seeds.—The increase was principally in linseed and mustard and rape seed. In linseed the increases were largely due to despatches from the Dinapore district, and from Foreign Railways having their junctions on that district. In mustard and rape seed the principal stations contributing the increase were Allahabad, Cawnpore, and Delhi, and the Oudh and Rohilkhund Railway stations *viâ* Maghalsarai to Barh, Bhagulpore and Rampore Haut for local consumption.

Spices.—In chillies as in previous months.

Stone.—The increase was for the most part in despatches of stone from Mirzapur and adjacent stations.

Sugar, refined and unrefined.—The increase was principally in short distance consignments from the Oudh and Rohilkhund Railway.

Tobacco.—The increase was satisfactory, and was due to despatches from Barh, Patna Ghât *viâ* Sahebgunge and *viâ* Digha Ghât.

Bones.—This is a comparatively new traffic consequent on the setting up of crushing mills near Calcutta, and appears to be still growing.

Potatoes.—The increase, as in May, was principally from Patna.

DECREASES.

Cotton.—As in previous months the decrease must be ascribed to failure of crops.

Wheat.—Due to the generally poor outturn of the Bengal crop and to the low prices ruling at home.

Gram and pulses.—Due to absence of demand from districts, which last year, owing to poor crops, were compelled to buy their food supplies in other marts.

Other rain and spring crops.—The same reason may be ascribed for the decrease under this head, as in the case of gram and pulses.

Lac.—Due to large stock of shellac on hand in the English market and no demand.

Brass and copper.—Due to high prices being maintained in the market.

Ghee.—Due to ordinary fluctuation of trade.

Railway material, foreign.—There were no despatches this year *viâ* Jubbulpore, and the traffic from Howrah was principally to Assansol for the Bengal-Nagpur Railway, or over a short distance only.

N. ST. L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, *the 8th August* 1888.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 4th August 1888, on 1,513¾ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	*210,397	*3,14,703 3 0	22,49,529 0	4,30,207 12 3	14,993 12 5	6,59,964 11 8	64,041½	76,848	140,889½
Or per mile of railway ...	......	141 13 4	......	284 3 10	9 14 6	435 15 8	......	......	......
For previous 4 weeks of half-year	961,277	9,27,567 8 0	88,34,666 20	17,69,058 11 0	68,250 14 10	27,64,877 1 10	254,792	319,473½	573,265½
Total for 5 weeks ...	1,171,674	11,42,270 11 0	1,10,84,195 20	21,90,326 7 3	83,244 11 3	34,24,841 13 6	318,833½	395,321½	714,155
Comparison.									
Total for corresponding week of previous year	246,777	2,46,908 10 2	18,78,809 10	3,71,183 2 0	17,663 15 6	6,35,755 11 8	66,705	74,067	140,772
Per mile of railway corresponding week of previous year	......	162 8 9	......	244 5 9	11 10 1	418 8 7	......	......	......
Total to corresponding date of previous year	1,308,927	12,95,253 3 8	1,14,20,970 30	24,65,004 9 9	90,639 3 0	38,50,897 0 5	344,714	455,441	800,155

* The decrease in coaching traffic is due to receipts for the corresponding period of 1887 having included exceptional traffic earnings on account of Moon Eclipse.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	6,35,756	419	1,513¾	6,59,965	436	1,519	1,62,58,446	595	1,513¾	1,53,57,768	564	......	9,00,678

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 4th August 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,674	4,613 10 0	28,314 0	2,414 13 0	30 14 0	7,059 5 0	1,689	705	2,394
Or per mile of railway	169	80 10 6	495 0	42 3 6	0 8 8	123 6 8	......	......	......
For previous 4 weeks of half-year	36,422	16,519 5 0	1,41,689 10	9,419 15 0	95 8 0	26,034 12 0	6,708	2,952	9,660
Total for 5 weeks ...	46,096	21,132 15 0	1,70,003 10	11,834 12 0	126 6 0	33,094 1 0	8,397	3,657	12,054
Comparison.									
Total for corresponding week of previous year	10,574½	5,033 14 9	28,810 30	1,881 10 0	38 10 6	6,954 3 3	1,813	581	2,394
Per mile of railway corresponding week of previous year ...	185	88 0 1	503 30	32 14 4	0 10 10	121 9 3	......	......	... ..
Total to corresponding date of previous year	60,649	20,839 7 6	2,31,330 30	14,341 5 0	156 13 6	44,337 10 0	8,956	4,043	12,999

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	6,954	122	57½	7,059	123	57½	1,63,498	159	57½	1,48,988	145	......	14,510

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 4th August 1888, on 12 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,062	506 10 0	9,163 20	175 8 0	10 11 0	692 13 0	411½	82	493½
Or per mile of railway	......	42 3 6	.....	14 10 0	0 14 3	57 11 9	...	......	......
For previous 4 weeks of half-year	12,393	2,150 11 0	26,177 0	674 12 0	40 9 0	2,866 0 0	1,497	711	2,208
Total for 5 weeks ...	15,455	2,657 5 0	35,340 20	850 4 0	51 4 0	3,558 13 0	1,908½	793	2,701½
Comparison.									
Total for corresponding week of previous year	3,069	563 10 7	6,797 20	145 14 0	4 1 3	653 9 10	446	47	493
Per mile of railway corresponding week of previous year ...	......	41 15 7	......	12 2 6	0 5 5	54 7 6	......	......	......
Total to corresponding date of previous year	15,718½	2,587 8 4	49,102 0	1,138 7 0	41 13 9	3,767 13 1	2,075	531	2,606

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	654	54	12	693	58	12	18,369	85	12	19,398	90	1,029	......

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 4th August 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,057	2,656 7 0	77,730 30	2,371 10 0	115 7 0	5,143 8 0	642	1,022½	1,664½
Or per mile of railway	......	35 8 3	... ..	31 11 4	1 8 8	68 12 3	......	......	......
For previous 4 weeks of half-year	18,335	13,225 1 0	3,13,351 10	13,955 14 0	336 10 0	27,517 9 0	2,684	5,661¾	8,345¾
Total for 5 weeks ...	22,392	15,881 8 0	3,91,082 0	16,327 8 0	452 1 0	32,661 1 0	3,326	6,684¼	10,010¼
Comparison.									
Total for corresponding week of previous year	5,510	3,851 15 6	51,059 30	1,703 4 0	170 1 6	5,725 5 0	713	821	1,534
Per mile of railway corresponding week of previous year .	......	51 7 11	.....	22 12 4	2 4 5	76 8 8	......	......	......
Total to corresponding date of previous year	26,662	20,909 7 1	4,37,521 0	13,069 10 0	498 2 3	34,477 3 4	3,846	6,060	9,906

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	5,725	77	74½	5,144	69	74½	1,48,479	110	74½	1,38,256	103	......	10,223

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 4th August 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,039	4,014 5 0	2,710 30	108 1 0	6 2 0	4,123 8 0	921	47	968
Or per mile of railway ..	......	180 6 9	......	4 10 1	0 4 5	185 5 3	......	......	......
For previous 4 weeks of half-year	85,486	20,017 5 0	13,984 0	505 8 0	19 15 0	21,442 12 0	3,704	256	3,960
Total for 5 weeks ..	100,525	24,031 10 0	16,694 30	608 9 0	26 1 0	25,566 4 0	4,625	303	4,928
Comparison.									
Total for corresponding week of previous year ..	15,255¾	3,824 11 5	2,858 10	99 2 0	4 2 6	3,927 15 11	925	43	968
Per mile of railway corresponding week of previous year ..	.....	171 14 4	.....	4 7 4	0 3 0	176 8 8	......	......	......
Total to corresponding date of previous year	95,971½	23,177 8 3	21,853 20	829 1 0	19 4 3	24,025 13 6	4,989	279	5,268

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	3,928	177	22½	4,124	185	22½	1,01,096	252	22½	1,09,873	274	8,777	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 4th August 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	*158,075	56,105 0 0	6,10,300 0	1,29,961 0 0	20,766 0 0	2,06,832 0 0	22,002	22,000	44,002
Or per mile of railway ...	235	84 0 0	909 0	193 0 0	112 0 0	289 0 0	......	......	
For previous 4 weeks of half-year	460,110	2,06,274 0 0	16,27,179 0	3,21,513 0 0	12,131 0 0	5,69,918 0 0	87,646	76,939	164,585
Total for 5 weeks ...	618,185	2,62,379 0 0	22,37,979 0	4,51,474 0 0	62,897 0 0	7,76,750 0 0	109,648	98,939	208,587
Comparison.									
Total for corresponding week of previous year ...	117,632	48,196 0 0	6,75,112 0	1,07,716 0 0	11,101 0 0	1,67,013 0 0	20,657	20,711	41,368
Per mile of railway corresponding period of previous year .	182	75 0 0	1,047 0	167 0 0	†5 0 0	247 0 0	.....	......	......
Total to corresponding date of previous year	627,243	2,64,[illegible] 0 0	24,05,468 0	4,24,056 0 0	53,466 0 0	7,42,122 0 0	108,363	94,877	203,240

* Including monthly tickets.
† Exclusive of steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,67,013	259	672	206,832	308	645	25,89,126	223	674	*27,05,085	22	1,15,959	...

* Audited up to 23rd June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 4th August 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	29,887	7,680 0 0	31,812 0	2,568 0 0	90 0 0	10,338 0 0	3,830	1,870	5,700
Or per mile of railway	239	62 0 0	254 0	20 0 0	1 0 0	83 0 0	......	......	......
For previous 4 weeks of half-year	94,208	31,110 0 0	132,050 0	8,504 0 0	292 0 0	39,906 0 0	15,307	7,453	22,760
Total for 5 weeks ...	124,095	38,720 0 0	163,862 0	11,072 0 0	382 0 0	50,244 0 0	19,137	9,323	28,460
Comparison.									
Total for corresponding week of previous year	24,309	7,641 0 0	27,975 0	2,089 0 0	63 0 0	9,793 0 0	3,735	1,475	5,210
Per mile of railway corresponding period of previous year ...	194	61 0 0	224 0	17 0 0	......	78 0 0	......	......	......
Total to corresponding date of previous year	130,921	42,663 0 0	179,118 0	12,564 0 0	445 0 0	55,572 0 0	19,667	7,923	27,590

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	9,792	78	125	10,338	83	125	2,31,558	103	125	*2,10,580	94	......	20,978

* Audited up to 23rd June 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 4th August 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	No. of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	11,119	3,595 0 0	12,902 0	519 0 0	107 0 0	4,221 0 0	2,783	322	3,105
Or per mile of railway	129	42 0 0	150 0	6 0 0	1 0 0	49 0 0	......	......	......
For previous 4 weeks of half-year	49,899	16,360 0 0	21,503 0	1,643 0 0	407 0 0	18,410 0 0	8,806	3,611	12,417
Total for 5 weeks ...	61,018	19,955 0 0	34,405 0	2,162 0 0	514 0 0	22,631 0 0	11,589	3,933	15,522
Comparison.									
Total for corresponding week of previous year	10,807	3,388 0 0	26,483 0	1,109 0 0	130 0 0	4,627 0 0	2,604	360	2,964
Per mile of railway corresponding period of previous year	126	39 0 0	308 0	13 0 0	2 0 0	54 0 0	......	......	......
Total to corresponding date of previous year	55,801	17,912 0 0	45,075 0	2,791 0 0	970 0 0	21,703 0 0	14,027	2,739	16,766

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	4,627	54	86	4,221	49	86	87,462	56	86	86,614*	56	......	848

* Audited up to week ending 23rd June 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 4th August 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,717	871 0 0	12,968 0	988 0 0	25 0 0	1,884 0 0	546	546	1,092
Or per mile of railway	70	22 0 0	333 0	25 0 0	1 0 0	48 0 0	......	......	......
For previous 4 weeks of half-year	11,893	3,844 0 0	81,114 0	6,483 0 0	90 0 0	10,417 0 0	2,184	2,184	4,368
Total for 5 weeks ...	14,610	4,715 0 0	94,082 0	7,471 0 0	115 0 0	12,301 0 0	2,730	2,730	5,460
Comparison.									
Total for corresponding week of previous year	4,912	1,650 0 0	6,982 0	681 0 0	49 0 0	2,380 0 0	766	546	1,312
Per mile of railway corresponding period of previous year...	126	42 0 0	179 0	18 0 0	1 0 0	61 0 0	......	......	......
Total to corresponding date of previous year	17,315	5,804 0 0	56,508 0	5,010 0 0	229 0 0	11,043 0 0	3,106	2,886	5,992

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	2,380	61	39	1,884	48	39	51,120	73	39	*55,891	80	4,771	......

* Audited up to week ending 23rd June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 4th August 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,438	934 0 0	10,276 0	690 0 0	10 0 0	1,634 0 0	509	254	763
Or per mile of railway	89	34 0 0	377 0	25 0 0	......	60 0 0	......	......	......
For previous 4 weeks of half-year	11,770	4,351 0 0	24,219 0	1,635 0 0	31 0 0	6,017 0 0	2,036	1,016	3,052
Total for 5 weeks ...	14,208	5,285 0 0	34,495 0	2,325 0 0	41 0 0	7,651 0 0	2,545	1,270	3,815
Comparison.									
Total for corresponding week of previous year	5,211	1,559 0 0	4,232 0	307 0 0	12 0 0	1,873 0 0	509	363	872
Per mile of railway corresponding week of previous year ...	191	57 0 0	155 0	11 0 0	1 0 0	69 0 0	......	......	......
Total to corresponding date of previous year	18,224	6,434 0 0	40,228 0	2,800 0 0	160 0 0	9,394 0 0	2,727	1,688	4,415

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,878	69	27½	1,634	60	27½	32,690	67	27½	33,585	68	895	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 4th August 1888, on 259 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	33,890	11,240 0 0	1,39,099 0	9,722 0 0	2,552 0 0	23,514 0 0	5,652	4,212	9,864
Or per mile of railway	131	44 0 0	537 0	37 0 0	2 0 0	83 0 0*	......	......	......
For previous 4 weeks of half-year	131,600	44,496 0 0	5,79,495 0	46,915 0 0	10,389 0 0	1,01,800 0 0	22,683	21,283	43,965
Total for 5 weeks ...	165,490	55,736 0 0	7,18,594 0	56,637 0 0	12,941 0 0	1,25,314 0 0	28,335	25,495	53,830
Comparison.									
Total for corresponding week of previous year on 249 miles open	37,256	13,199 0 0	1,19,938 0	9,342 0 0	2,302 0 0	24,843 0 0	6,443	3,889	10,332
Per mile of railway corresponding week of previous year ...	150	53 0 0	482 0	37 0 0	1 0 0	91 0 0*	......	......	......
Total to corresponding date of previous year	191,005	63,470 0 0	7,70,879 0	62,050 0 0	19,676 0 0	1,45,196 0 0	34,606	28,017	62,623

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 6th August 1887.			Receipts for week ending 4th August 1888.			Total receipts from 1st April 1887 to 6th August 1887.			Total receipts from 1st April 1888 to 4th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	24,843	100	259	23,514	91	249	6,00,529	134	259	6,19,024	133	18,495	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 28th July 1888	11,152
Corresponding week last year	11,727
Decrease	575
Receipts from 1st to 28th July 1888	40,907
From 1st to 30th July 1887	35,991
Increase	4,916
	Miles.
Miles open week ending 28th July 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 28th July 1888	218 10 8
Corresponding week last year	229 15 1
Decrease	11 4 5

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SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, AUGUST 22, 1888.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.

TEXT-BOOKS FOR VERNACULAR MEDICAL SCHOOLS.

GENERAL DEPARTMENT—EDUCATION.

The 17th August 1888.

RESOLUTION.

READ—

A letter from the Director of Public Instruction, No 4041, dated the 28th July 1888, and its enclosure, regarding text-books for Vernacular Medical Schools

Read again—

Government Resolution, dated the 13th December 1880, on the same subject.

THE Director of Public Instruction has recommended the adoption of Assistant-Surgeon Asder Ali Khan's Medical Jurisprudence, a work written in Urdu and in both the Nagri and Persian characters, as a text-book in the Patna Medical School, and the payment to that officer of the authorised reward of Rs. 500, in accordance with the terms of the Resolution of this Government quoted in the preamble. The Lieutenant-Governor accepts the recommendations made by the Director, and directs that they be given effect to.

ORDER.—Ordered, that a copy of this Resolution be forwarded to the Director of Public Instruction for information, and to the Financial Department of this office for information and communication to the Accountant-General.

Ordered also, that a copy of this Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE RAJSHAHYE DIVISION FOR THE YEAR 1887-88

GENERAL DEPARTMENT—MISCELLANEOUS.

Dated Calcutta, the 21st August 1888.

READ—

The Annual Administration Report of the Rajshahye Division for the year 1887-88

The Commissioner's report is, in point of length, an improvement on its predecessors; but it might with advantage have been still further abridged The Lieutenant-Governor observes, for instance, that too much space has been devoted to a summary of each District and Sub-divisional Officer's tour; it is sufficient under this head to show that the Commissioner has satisfied himself that the important duty of personal inspection h. been properly attended to. The accounts given show however that all officers, including the Commissioner, were fully alive to the importance of this duty.

2. The rainfall was more abundant than usual, and is described as having been, on the whole, well distributed and favourable to agriculture. The Commissioner considers that the condition of the agricultural classes, who comprise the bulk of the population, is prosperous and progressive. Rents are generally light, land abundant and work easily procurable. There is an entire absence of emigration from the Division, and it is reported that difficulty is experienced in several districts in getting the inhabitants themselves to do the work of ordinary coolies. Compared with the average of the five preceding years, common rice was cheaper everywhere, while wages continued to maintain a high standard. It is undoubtedly the case that in this division there is no normal insufficiency of food among any class Mr. Lowis writes:—"The railway has given an outlet to the produce of the fields, and has cheapened all articles of convenience, comfort and luxury. In their clothing, utensils and general surroundings, the people of the present generation are much better off than their forefathers I may, however, add that there is not much thrift among them, their profits being too often expended in expensive marriages and other ceremonies. There is no margin left to fall back on in the event of distress."

3. In four districts there was an increase in mortality, and in the other three a decrease; but the figures for the division, as a whole, show approximately 5,500 more deaths than in the previous year—a circumstance which must be attributed to the prevalence of fever, as well as to improved registration. There was a slight falling off in the number of vaccine operations, and a feeling of distrust on the part of certain classes of the population is apparently still observable, although the increasing popularity of vaccination in Darjeeling is noticed by Mr. Lowis for the second time.

4. The total trade of the Division is roughly estimated at nine crores of rupees, as against ten in the year 1886-87; and with regard to manufactures there is said to have been no noticeable change. The statistics furnished of the sales at the Nekmurd fair show surprising variations from the figures given in previous years. The number of oxen and cows sold is stated at 76,575. If these figures have any approximation to accuracy—which is doubtful—the fair is a more important one than has hitherto been supposed. The figures for previous years, said to be understated, amount to 4 or 5,000 only. The Commissioner again comments on the extension of commerce in the division, caused by the opening out of railways and their attendant feeder roads, and the effect of this impetus to trade on the material condition and well-being of the people.

5. The Division is a backward one, and public feeling in the ordinary sense finds no expression among the mass of the people who are ignorant cultivators. Their knowledge of the provisions of new laws, such as the Tenancy Act, penetrates very slowly. The conduct of zemindars has on the whole been satisfactory, although in some cases disputes ending in litigation occurred, and particular instances of the existence of strained relations between landlords and tenants are cited.

6. In the revenue derived from excise there was an increase of Rs. 62,548: the land revenue administration shows comparatively excellent results, and the collections of income-tax were satisfactory. There was a net increase of Rs. 24,953 in the gross stamp revenue realized. The popularity of the money-order system is testified to by a steady increase in the number of transactions.

7. The Commissioner's attention is invited to the irregular and unsystematic manner in which, it appears from paragraph 46 of his report, the head-quarters' treasuries are inspected by the District Officers of his division. In Julpigoree and Dinagepore no less than 11 and 9 inspections, respectively, were made, and if these were regular inspections, as provided for in the Civil Account Code, Chapter 32, they were made somewhat oftener than is necessary. On the other hand, the Rajshahye and Darjeeling treasuries were inspected twice, the Bogra and Rungpore treasuries only once, and the Pubna treasury not at all. In regard to the last-mentioned district, the existence of a further irregularity is inferred from the statement that the cash balance was verified by the Collector when at head-quarters. The cash balance should be formally verified every month either by the Collector himself when he is present in the station, or by the officer in charge of his office during his absence.

8. There was an increase in the number of schools and educational institutions of every description, with, however, two very important exceptions—in the cases of lower primary and girls' schools. The results of the different annual examinations were, the Lieutenant-Governor regrets to find, far from satisfactory. Compared with Hindus, the Muhammadans of this Division appear to be particularly backward in the matter of education, and it is only in the lower primary schools that they are to be found in any numbers. The employment of Muhammadans under Government—a matter to which the greatest importance is properly attached by the Muhammadans themselves—must obviously depend on their own educational progress.

9. On the subject of Police and Crime, the returns call for no special comment. The remarks on the conduct of the police are of a negative, rather than a positive, character, and nowhere, except in Dinagepore, where much credit is said to be due to the District Magistrate, the District Superintendent, and an Inspector of special detective qualifications, has any marked ability to deal with crime been displayed. The Lieutenant-Governor is glad to see that in this Division the working of the new Chowkidari Act is generally satisfactory.

10. The Local Committees of the Pubna district are reported to have worked well; both the Vice-Chairman of the District Board and the Chairman of the Municipality being enlightened men, well suited for the posts they hold. In Julpigoree and Darjeeling also the Committees did good work. But elsewhere their success has not been marked. In this Division, even more than elsewhere, it appears necessary especially during the early infancy of the institutions, for the local District Officers to guide and encourage the Commissioners in their independent action, while abstaining, as far as may be, from direct interference.

11. Mr. Lowis deserves the acknowledgment of the Lieutenant-Governor for his very full report, and for the generally satisfactory results which he has been able to show. His remarks on the merits of his subordinates will be communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE PATNA DIVISION FOR THE YEAR 1887-88.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 21st August 1888.

READ—

The Annual General Administration Report of the Patna Division for the year 1887-88.

The report, which is instructive, interesting and concise, is submitted by the Officiating Commissioner, Mr. Boxwell, who was in charge of this important Division throughout the year.

2. Useful tours were made by all District and Sub-divisional Officers, and, regard being had to the recent orders curtailing the periods hitherto prescribed, they appear to have been of sufficient length.

3. From an agricultural point of view, the year is described as having been below the average, for not only was the rainfall rather less than usual, and considerably short of that of the preceding year, but the distribution also was unequal. In most districts, however, the harvest was fairly good, and the material condition of the people does not call for any special remarks. The fact that only 1,741 emigrants from a population so dense as that of Behar were registered during the year would seem to argue comparative prosperity, but unfortunately the real state of things in this province is too well known to justify so agreeable a conclusion. The reluctance of the people to emigrate, notwithstanding their poverty, is a constant source of anxiety to the Government, and constitutes an administrative difficulty which it has not yet been found possible to solve. The best prospect of its solution lies probably in the desire of the people, which must gradually increase, to improve their own standard of comfort. The state of public health was bad, fever prevailing in Shahabad and Gya, and cholera in a more or less pronounced degree in all the districts.

4. The Officiating Commissioner divides the trade of the Division into an up and a down current, each passing through Patna, but the figures furnished are admittedly incomplete. They are, however, sufficient to indicate considerable commercial activity, and more attention has apparently been paid to their compilation than in former years. Mr. Boxwell infers from them that the income-tax under which the total assessments reached the sum of Rs. 4,04,833 only is not as productive as it ought to be. The accounts given of the leading industries are satisfactory.

5. The returns furnished are *primâ facie* significant of a gradual increase in cognizable crime, but it is pointed out that the higher figures occur chiefly under "Other offences," a heading which includes offences under special and local laws, and the circumstance may, therefore, be regarded as an indication of greater vigilance on the part of the police. As regards civil justice also, the figures show an advance by 2,103 in the number of institutions, and to this increase the district of Mozufferpore alone contributes no less than 1,082. The rise in this district is said to be due to the large number of money-suits, the institution of which has increased for the last five years, and is apparently attributable to the impetus given to trade by the extension of the railway.

6. The total excise revenue was Rs. 26,58,071 against Rs. 24,55,520 in 1886-87, the increase being chiefly observable under the heads of tari, ganja, country spirits, and opium. The distillery system prevails in all the large towns and the receipts from the Patna distillery alone were Rs. 2,35,503. The revenue derived from stamps amounted to Rs. 24,180 in excess of that realized in the preceding year, while the number of prosecutions instituted for breach of the Stamp Law fell from 170 to 25. Mr. Boxwell's theory is that, when the number of events occasioning the use of stamps is so great, and the number of prosecutions so small, and so remotely connected therewith, it must be mere chance that more or fewer prosecutions were instituted in any particular year. The argument does not commend itself to the Lieutenant-Governor, who has no doubt that the duty of prosecuting in stamp cases is often much neglected, and

that spasmodic action in one year is followed by inaction in the next. There was a decrease of Rs. 27,621 in the current demand on account of land revenue, and the percentage of collections was 95·3 as against 95·6 in the preceding year. In this, as in other divisions, the system of payment by means of postal money-orders is favourably reported upon.

7. On the subject of education the report is encouraging. The total number of schools in the Division rose from 6,686 to 8,105, and that of pupils from 135,908 to 153,041, while private institutions show an increase of 1,062 schools and 6,516 pupils. It is noticed also that the number of girls' schools rose on the whole, although not generally. Some of the district officers report an increase in the number of Mahomedan students attending schools, but no statistics are given on this point. The proportion of Mahomedans who have obtained service under Government shows a slight increase during the year, and indicates that Mahomedans have obtained a full share of employment in this division at least. The number of Hindoos to one Musulman in the whole population is 7·6 and in the educated population 9·9, whereas among gazetted officers there are only 3·7 Hindoos to one Musulman, and among officers in superior service and in inferior service the number is only 3·3 in each case.

8. As regards Local Self-Government, the Lieutenant-Governor observes with pleasure that the working of the District Boards has been favourably reported upon by all district officers. In particular, Mr. Quinn, the Magistrate of Patna, awards high praise to the Vice-Chairman of the Patna District Board, Mr. Syed Sharfuddin. There is no doubt, as the Commissioner says, that the important organ in all these Boards is the Executive, and that roads for instance are well or badly managed according as the district has a good Engineer, a good Vice-Chairman and an active Magistrate. But an even more important element of success, especially during the infancy of the Local Self-Government scheme, is the sympathy and consideration which the members of the Board may receive in their deliberations from the district officer. If assistance is afforded in the shape of kindly advice and encouragement, the District Boards will succeed, and there will as assuredly be failure and friction if interference is exercised unwisely and in an overbearing spirit. It is satisfactory to know that in the Patna Division generally a proper amount of tact has been shown, and that the Boards, District and Local, work smoothly with the executive officers of Government. Municipal Committees, although older institutions, are less favourably commented on by the Commissioner. There is too great a tendency to cliquism and party spirit. The names of the Vice-Chairmen of the Patna Municipality, Syed Fazl Imam Khan Bahadur, and of the Durbhunga Municipality, Moulvi Mahammad Khan, are specially mentioned for their good work. In Durbhunga a wealthy and generous resident, Baboo Braja Behari Lal, has contributed Rs. 5,000 for the improvement of the drainage of the town.

9. There appears to have been no change in the normal relations between landlord and tenant. The management of the Durbhunga Raj is described as conciliatory, and it is satisfactory to observe that there is a large decrease in the number of rent-suits in the Shahabad district, mainly attributable to a compromise which has been effected between the Maharajah of Doomraon and his tenants. The provisions of the Tenancy Act in favour of tenant right are said to be becoming more generally known among the ryots.

10. Mr. Boxwell's observations regarding the character and work of his subordinates will be communicated as usual to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE BURDWAN DIVISION FOR THE YEAR 1887-88.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 21st August 1888.

READ—

The Annual Administration Report of the Burdwan Division for the year 1887-88.

Messrs. Wilson, Westmacott, and Alexander were Commissioners during the year. The Report is submitted by Mr. Westmacott, who again took charge of the Division after the close of the year, when Mr. Alexander proceeded on leave. There were also several changes among the district officers in all districts except Bankoora. The important duty of visiting the interior of districts seems to have been efficiently discharged, except in Beerbhoom, where both Mr. Skrine and Mr. Currie made insufficient tours.

2. The weather was on the whole not favourable to agricultural operations; the rainfall was less than usual and unequally distributed. Any deficiency in the crops was, however, effectually obviated by the abundant harvest of the previous years, and the ruling prices were not only not affected to any appreciable extent, but in Midnapore were unusually low. Although fever and cholera were sporadic, and in March cholera broke out in an epidemic form in the towns of Howrah, Serampore and Raneegunge, the health of the people throughout the year is reported to have been generally good. The Commissioner reports that there is a consensus of opinion among the district officers that the material condition of the people is improving, as manifested by a better style of living and increased expenditure on litigation, marriages and other religious or social ceremonies, and that there is no such thing as absolute poverty or want of food or clothing even among the poorest classes. A steady emigration exists among Sonthals and others to the tea districts. There were two criminal cases at Raneegunge and one at Midnapore, which illustrate the necessity of vigilance over the proceedings of coolie contractors. In the Midnapore case a recruiter under the free emigration system was convicted and sentenced to imprisonment for wrongfully keeping three women in confinement.

3. Under the head of manufactures and mines the Commissioner records the following observations which agree in substance with the reports received from all parts of these Provinces:—

Cotton cloth.

In spite of the importation of cheap European piece-goods, cotton is still woven by local weavers in every district. As a rule they know no other work, and cling to their ancestral business to obtain a precarious means of living. This industry is, however, on the wane, as the weavers cannot compete with Manchester in the production of cheap goods. In Burdwan a revival in this industry has been noticed in the last two years; but generally, although those who can afford them prefer the country cloths, which are of a better texture and more durable, the cheapness of Manchester goods drives the local manufacture out of the market.

It is satisfactory to see that the paper mills at Bally, and Messrs. Burn and Co.'s pottery works at Raneegunge, show healthy development. Large employment for labour is found in the silk industry, in the jute and cotton mills which stud the banks of the river Hooghly, and in the mines of Raneegunge, which yielded last year a great increase in the outturn of coal. In consequence of the extensive use of machinery, and of the necessity of bringing the boilers in use under more systematic inspection than had hitherto been found possible, it was deemed expedient to extend the application of the Steam-boilers Act III (B.C.) of 1879 to the sub-division of Raneegunge.

4. It appears from the statement submitted by the Commissioner that there is a marked disproportion between the number of Mahomedan and Hindu employés in the districts of Bankoora and Hooghly. In the Hooghly district there are said to be only four Mahomedan officers in superior service and 17 in inferior service. The Lieutenant-Governor apprehends that there is some misunderstanding in regard to the manner in which these statements are prepared. Mr. Westmacott is requested to look into this matter, and see that a uniform principle is followed in all districts. His remark

that enough is not done in introducing Mahomedan apprentices into Government offices is probably well founded: any undue favouritism either to Hindus or Mahomedans must be avoided; but at the same time it is necessary to guard against the tendency which cannot but creep in on the part of the head of the office to recruit all the lower appointments from his own co-religionists.

5. The excise revenue of the division shows an increase from Rs. 10,64,057 to Rs. 11,41,125. The chief feature of the year's administration was the abolition of the outlying central distilleries in Hooghly and the introduction of the outstill system in the area formerly served by them. This change appears to have led to an increase of drinking owing to the low price of the outstill liquor as compared with the costly liquor of the central distillery. Mr. Westmacott was himself placed on special duty to enquire into this matter during the cold weather, and his report is now under the consideration of the Board and Government.

6. Various projects have been set on foot for introducing tramways into this division. It is proposed to construct a tramway from Burdwan to Cutwa, from Mymaree railway station to join the Tarkeswar railway, from Ampta to Howrah and from Howrah to Seakhola, but in no case has construction yet begun.

7. Mr. Westmacott expresses his opinion strongly in this report against expenditure on village roads: he observes—"So long as the District Board's funds remain stationary, and large sums are wasted on petty footpaths under the name of village roads, it is useless to expect any improvement in arterial communications." And again he writes—"In Midnapore there is a difference of opinion between the Board and the supervising authorities as to the allotment of funds. The Board wishes to maintain or increase the very large sum hitherto given annually for village roads, while, on the other hand, it is held that this sum should be largely diminished. It is rarely that communications are improved by the expenditure on so-called village roads, which are generally, so far as I have seen, only petty local pathways within villages, made for the convenience of the more influential residents, and do not bring villages into communication with the rest of the world. The sums so frittered away would, in the course of a few years, provide good systems of branch roads."

8. These remarks cannot in the Lieutenant-Governor's opinion be accepted without qualification. An important question of principle is involved, on which the opinion of Government is not now expressed for the first time. It has been repeatedly declared that it is very desirable to make a liberal allotment for the construction and repairs of village roads, which are a matter of the first convenience not only to the influential residents, but to all the inhabitants of the villages affected. Road Cess Funds are to be expended for the benefit of the localities concerned, and nothing is more calculated to popularise the administration of this department than to show the villagers who pay the tax that their local interests are not neglected. On the other hand, before village roads can be of much use there must be a system of main arteries through the district without which village roads will fail in their main purpose of connecting villages with larger markets. It is not right that an excessive proportion of the cess funds should be devoted to village roads,—and what is an excessive proportion must be determined by the circumstances of each district,—but it is desirable that the allotment should in all cases be as liberal as the circumstances will permit.

9. Under the head of Education, it is reported that in the Burdwan district 12·68 per cent. of the students on the rolls are Mahomedans; in Beerbhoom the percentage is 16·2; and in Bankoora, where Hindoos more largely predominate, the percentage is only 4·6. From other districts this information is not given. It appears that the Mahomedan boys were not very successful in passing the examinations.

10. The Lieutenant-Governor is glad to receive a favourable account of the working of the District Boards during the year. The District Board at Burdwan in particular is reported to have attained a full grasp of its functions in regard to public works, and, excepting some minor details, in respect of education also. The District Board at Bankoora is said to have displayed much originality and common sense in all matters laid before it for consideration. The Municipal Committees are also reported to have generally done excellent work, attention being paid to sanitation. The

attendance at meetings was regular and good. The Burdwan Municipality continued to work well. The Raneegunge Municipality is said to have taken praiseworthy measures to meet the recent outbreak of cholera in the town. The Municipal Commissioners of Midnapore have been bestirring themselves on the subject of water-supply and sanitation. The Commissioners of the other Municipalities in that district are said to be rather inclined to spend an undue proportion of their income on education and dispensaries. The Municipal Committees in the districts of Hooghly and Howrah evinced great interest in their work, and the attendance at meetings was fairly regular.

11. The conduct of the following zemindars belonging to the Division is singled out by the Commissioner for specially favourable comment:—

Baboo Chunder Narain Singh of Raipore.
Moulvie Abdul Sabhan of Rampore Hât.
Baboo Chunder Kant Mookherjee of Jonai.
,, Chuckun Lall Roy of Chuckdighee.
,, Ram Prosad Roy of Bidhi Chunderpore.
Rai Radha Bullubh Singh of Koochiakole.
Baboo Brajender Gopal Chundradhurya of Maliara.
,, Rughu Nath Panjah of Rajgram.
The Banerjee family of Ajodha.
Baboo Jogendra Nath Mullick of Midnapur.
The Jara Baboos of the Ghattal Sub-division.

12. The obvervations of the Commissioner on the conduct of his subordinates will be communicated as usual, to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

RULES FOR THE TREATMENT OF RECOVERED CRIMINAL LUNATICS CONFINED IN ASYLUMS, AND FOR THEIR DISCHARGE AFTER CERTAIN PERIODS HAVE BEEN PASSED AND CERTAIN CONDITIONS FULFILLED.

RESOLUTION.

JUDICIAL.

Calcutta, the 21st August 1888.

READ—

Resolution of the 21st October 1887, appointing Surgeons-Major Birch and Crombie and Mr. Larymore to form a Committee for the purpose of drawing up a detailed scheme with rules for the treatment of recovered criminal lunatics confined in asylums, and for their discharge after certain periods have been passed and certain conditions fulfilled.

Read also—

The Report of the above Committee; also letter No. 3842, dated the 15th May 1888, from the Inspector-General of Civil Hospitals; and letter No. 3793, dated the 10th May 1888, from the Inspector-General of Jails on the subject.

The attention of the Lieutenant-Governor of Bengal was drawn last year to the absence of any definite and generally recognised principles regulating the way in which the cases of criminal lunatics in imprisonment should be disposed of, with the consequent result, in many cases, of undue detention after recovery. He therefore appointed a Committee, consisting of Surgeons-Major Birch and Crombie and Mr. Larymore, to draw up definite proposals as to the manner in which such cases should be dealt with, and to lay down a procedure which should in future be recognised by Government and regularly followed. The Committee submitted a valuable report on the 28th January 1888, dealing very fully with the questions submitted to them, which contained a detailed scheme with rules for the treatment of recovered criminal lunatics confined in asylums or jails, and defined the conditions under which they might be discharged. The Inspector-General of Civil Hospitals and the Inspector-General of Jails have been consulted, and the rules revised in accordance with their suggestions and in consultation with Dr. Crombie. The rules have been approved by the Lieutenant-Governor and are now published for the guidance of all concerned. In accordance with the recommendations of the Committee, the Lieutenant-Governor is pleased to appoint the Chief Secretary, the Inspector-General of Jails, and the Superintendent of the Presidency General Hospital to form a standing Committee to meet from time to time and advise the Lieutenant-Governor as to the action to be taken by him in deciding on cases reported under Chapter XXXIV of the Criminal Procedure Code. The Lieutenant-Governor has already conveyed to Dr. Birch and the other members of the Committee an expression of his appreciation of their excellent report, but he again wishes to place on record his high sense of its value, and to thank Dr. Crombie for his assistance in revising the rules.

By order of the Lieutenant-Governor of Bengal,

J. WARE EDGAR,

Chief Secretary to the Govt. of Bengal.

No. 71, dated Calcutta, the 28th January 1888.

From—E. A. Birch, Esq., M.D., Surgeon-Superintendent, Presidency General Hospital,

To—The Chief Secretary to the Government of Bengal.

I have the honour to submit herewith the report of the Committee appointed by the Bengal Government in its Resolution of 21st October 1887, upon the subject of the release of criminal lunatics.

Report of the Committee appointed in Government of Bengal Resolution (Judicial) of the 21st October 1887, to discuss the questions involved in, and elaborate rules for, the release of Criminal Lunatics.

Duties of the Committee.

The purpose for which this Committee has been appointed is to investigate and discuss the issues involved in the important question of the disposal of the large and increasing class of criminal lunatics confined in the asylums and jails of Lower Bengal, with a view to elaborate rules of procedure which may in future be recognised by Government and regularly followed when each case is taken up, considered, and dealt with separately.

Three aspects of the question.

2. The question can be most appropriately discussed in three aspects—*1st*, the legal; *2nd*, the medical; and *3rd*, the administrative—and the main issues involved are justice to the individuals constituting this class of prisoners, economy, and the public safety.

1. THE LEGAL ASPECT.

The Prisoners' Act (Act V of 1871).

3. Three Acts of the Governor-General in Council must be considered in treating of this subject: Act V of 1871 is applicable only to persons detained or imprisoned under order or sentence of any Magistrate or Court, when they become insane while undergoing a term of imprisonment. Practically, therefore, it is applied only to prisoners who become insane during their incarceration in a jail. Under this Act the insane prisoner may be removed from jail to a lunatic asylum, and be there detained until his recovery or the expiry of his sentence, whichever occurs first. If he recovers from his insanity before the expiry of his sentence, he must be remanded to the prison from which he was removed, where he will undergo the remainder of his sentence and then be discharged in the usual manner. If his recovery and the expiry of his sentence occur simultaneously, he is discharged directly from the asylum. If, however, a medical officer certifies that he cannot with safety to himself or others be so discharged, the Local Government may order his further detention in a lunatic asylum under the provisions of Act XXXVI of 1858.

Public safety insufficiently guarded.

4. The Committee is of opinion that the safety of the public is not sufficiently guarded by the provisions of this Act (Act V of 1871). Here no distinction is made with regard to the nature of the offence, nor are the medical history or mental attitude of the prisoner while under observation sufficiently considered. The prisoner may be a person suffering from recurrent mania; he may have been tried and sentenced during a lucid interval for a crime which may be an offence against the person, he may then have a relapse while in jail, be transferred to an asylum where he may make a speedy recovery, be remanded to jail, and then released on the expiry of his sentence, which may be very soon, without any further period of probation. Here everything is practically left to the discretion of the medical officer of the asylum, who may not have all the evidence necessary for a matured judgment before him; and it is evident from the sample cases which were placed in the hands of the Committee that all medical officers do not regard with the same gravity the risks involved in the release of recovered lunatics.

5. In these cases the disposal of the lunatic would have been regulated in a very different way if he had been confined under the provisions of Act X of 1882 instead of Act V of 1871, which dictates more stringent rules for the safety of the public than the latter does; and it cannot be regarded as right that such an important matter should be left to the accident—whether a dangerous person is confined under one Act or under another. The Committee is not aware whether any misadventures have occurred as the result of the release of recovered lunatics under Act V of 1871; but if they have not it must be considered as due to the fact that the number of criminal lunatics brought under the provisions of this Act is very small.

Act XXXVI of 1858.

6. Act XXXVI of 1858 applies only to non criminal lunatics and to prisoners whose sentences have expired while under confinement in an asylum under the provisions of Act V of 1871, and who are detained there after the expiry of their sentences, in consequence of a certificate from a medical officer that such detention is necessary for the safety of themselves or others.

Discharge under section 9.

7. When the Local Government so orders the detention of a lunatic prisoner after the termination of his sentence, he is transferred to the non-criminal list, and the question of his subsequent release is regulated by the provisions of section 9 or 10 of Act XXXVI of 1858. Under section 9 it is lawful for three of the visitors, one being a medical officer, to order the discharge of any

(non-criminal) person confined in an asylum, and such person is thereupon discharged Under section 10, a lunatic may be discharged by order of the Magistrate under whose authority he is detained, on security, after communication with the visitors, or one of them, he being a medical officer.

Section 10.

8. The release of a recovered criminal lunatic under these provisions is better safeguarded than is that of those who are discharged under the provisions of Act V of 1871; but it would be well if such cases were treated on the same lines and with similar precautions as those of the same class who are confined under Act X of 1882, whose release does not involve, as a matter of fact, different risks.

Act X of 1882.

9. Act X of 1882 is the Act under which the great bulk of the criminal population of lunatic asylums is confined.

Section 466.

10. The first section which comes under consideration in this connection is section 466, which details the procedure with regard to accused persons found to be of unsound mind and incapable of making their defence. Here the procedure varies according to the nature of the offence. If it be bailable, the Magistrate may release such person on security. If it be not bailable, or if the required bail be not given, the accused person must be detained in jail [*vide* Government order No. 2687P (Jails), dated the 22nd August 1887] until the orders of the Local Government are obtained. The Local Government, if satisfied that he cannot safely be released without security, orders his detention in a lunatic asylum or other suitable place of safe custody.

Bailable and non-bailable offences.

11. The Committee is clearly of opinion that this division of criminal lunatics into two classes, receiving different treatment in accordance with the accident whether the offence of which they are accused is bailable or not bailable, is not commendable. This opinion will be justified at once by a reference to a list of bailable offences. Among these we find the following included:—Causing death by rash or negligent act (304A), attempt to commit culpable homicide (308), voluntarily causing hurt (323), voluntarily causing hurt by dangerous weapons or means (324), voluntarily causing grievous hurt (325), and doing or causing hurt, or grievous hurt, by any act which endangers human life or the personal safety of others (336, 337, 338). The distinction between bailable and non-bailable offences is, we submit, founded on the assumption that the offender exercises a certain amount of discretion and restraint in the choice of the means and degree of force used by him in committing the offence. Thus voluntarily causing grievous hurt (325) is bailable, but voluntarily causing grievous hurt by dangerous weapons or means (326) is not bailable. To apply such distinctions to the irresponsible actions of lunatics is not, we think, reasonable, and they ought not to be made the ground for dividing criminal lunatics into two great classes of which one is let loose on society on the very unsafe security of a relative or friend, and the other confined for an indefinite period within the walls of an asylum. We wish clearly to submit that in the case of an insane person, the crime which he may happen to commit, or whether he commit a crime at all, is always more or less fortuitous. The character of the offence has often little bearing on the question of the propriety of releasing a lunatic on security or not. The two most dangerous lunatics which one of the members of this Committee has ever had to deal with were men who were committed, one for petty theft and the other for simple house-trespass. Had either of these men been released on security and exposed to the provocations which assail lunatics in their native villages and houses, there is little question but that they would ere long have been re apprehended on graver charges.

Distinction not applicable to lunatics.

12. When a lunatic commits a crime, he does so suddenly, blindly, and without reflection. The offence bears no relationship to provocation, temptation, or motive, such as constitute considerations in dealing with sane persons. A lunatic and a boy are together in a boat; the boy annoys the lunatic by moving about when the latter wishes to go to sleep. The lunatic may either simply "abuse" the boy, or he may rise, seize a bamboo, and smash in his head, and then quietly lie down and go to sleep. The procedure which he happens to adopt on this provocation ought not to form the basis on which his case should be dealt with when it comes up for disposal. The lunatic is really equally dangerous whether he has, on this occasion, simply made use of abusive language, or committed murder.

Instance.

13. The whole circumstances surrounding a lunatic's crime are accidental. He seizes the first weapon that comes to hand, without considering whether it is lethal or not, and he applies it to a part and with a force which are not guided by intelligence and have no relationship to cause and effect. If it happens to hit the crown of the head, the case is one of murder or grievous hurt. If it miss the head and come on the shoulder, it may cause only a bruise and be simple hurt; but the mental aspect of the lunatic is the same whatever the weapon or the result.

14. It is no doubt true that Magistrates do not always act strictly in accordance with the provisions of the Acts now under discussion. They often, and we presume always in doubtful cases, take the opinion of the Civil Surgeon on the question of the safety of releasing a criminal lunatic on security; but the Magistrate and the Civil Surgeon are not

Magistrate and Civil Surgeon often unable to form judgment.

Act X of 1882 supersedes Act X of 1872, Act X of 1875, and Act IV of 1877, under which Acts criminal lunatics were confined prior to 1882.

always in possession of the facts necessary for a trustworthy opinion on such a difficult and important subject; nor is it likely that they are always sufficiently alive, in the hurry of the moment, to all the points which should be carefully considered before arriving at a conclusion; and yet on their decision the public safety depends.

15. It must also be admitted that, even when all the facts are before them, the recommendations of the Magistrate and Civil Surgeon are not always judicious. Sample case No. IX illustrates this want of ability to gauge the risks involved in such a decision. Ram Newari Katak was a professional singer or reciter. His father had committed murder while in a state of temporary insanity. While engaged in a performance, Ram Newari suddenly seized a sword, ran amok among the audience, and severely wounded one man before his career was arrested. He was tried and acquitted on the ground of insanity, and his case was sent up to Government with a recommendation, both by the Magistrate and Civil Surgeon, that he should be released unconditionally. The Civil Surgeon based his recommendation on the man being, like all men of his profession, of highly-strung and excitable nervous system. Yet this was a man with an hereditary taint of insanity, with an unstable nervous system probably (though this does not appear) steeped in ganja, a favourite stimulant with people of this class, and who had given the most unmistakeable evidence that he was unable to control his actions. Government happily did not act on the recommendation, but remanded the accused to an asylum, of which he has since been an inmate for ten years.

Instance.

16. It is clear that if such an opinion is possible in so obvious a case as the above, there can be no guarantee that the action of Magistrates is more judgmatic in more obscure instances, and we think that public safety requires that rules should be laid down for the guidance of executive officers in dealing with criminal lunatics when they come before them under section 466 of Act X of 1882, because with them lies the discretion of remanding persons to an asylum in bailable cases, or of releasing them on security, and their judgment is then just as important for the public safety as is the question of the release of a lunatic from an asylum by Government under the subsequent sections of the same Act.

Necessity of rules for guidance of executive officers.

17. The next epoch in the history of a criminal lunatic is the procedure adopted when he is declared by the visitors of an asylum or Inspector-General of Jails, as the case may be, to be sane and capable of making his defence under sections 473, 468, and 471 of Act X of 1882.

Section 473.

18. The usual procedure under these sections is as follows:—The visitors at a meeting certify that in their opinion the prisoner is "now sane and capable of making his defence." This certificate is not accompanied by any statement regarding the safety of discharging a lunatic on security or otherwise, or by any recommendation of any kind. The bare certificate of the visitors that the criminal is fit to stand his trial is forwarded to the local Government, which communicates it to the Magistrate on whose file the case is pending, who arranges with the Superintendent of the asylum the date when the man shall be sent up for trial. He is tried under section 468. Under section 471 he is usually acquitted on the ground of insanity, and the Magistrate reports the case for the orders of the local Government. In a large number of cases the local Government orders such persons to be kept in safe custody in a lunatic asylum under the same section, but a considerable number of cases are not so treated, and we find, in one asylum alone, that 26 recovered criminal lunatics were sent up for trial during the past ten years, and were not again heard of by the asylum authorities. We are of opinion that this procedure is also open to the grave objections stated above. Neither the court which tries the case, nor the local Government, is in a position to judge whether any individual so situated ought to be remanded to an asylum, or to a jail, or be delivered over to the care and custody of a relative or friend under section 475. They are not in possession of the facts which are necessary for the formation of a correct estimate of the risks involved. All that they know is that the criminal was accused of an offence, but was found incapable of making his defence; that he was confined in a lunatic asylum for a certain period of time, during which he was declared insane at each of the half-yearly meetings of the visitors; and that he was at last declared by them to be capable of making his defence. But what may have been the type of his insanity while under observation in the asylum—whether he was merely eccentric or showed homicidal tendencies; whether he was subject to periodic relapses of violent mania—is not known either to the court or to the local Government. In only a certain number of instances are they cognizant of the cause of insanity, and they are thus often dealing with a case in which this important factor is unknown. They act only on the simple certificate of the visitors that the man after a period of observation is at last, and it may be only temporarily, capable of pleading that he was insane at the time he committed the offence. Neither then, nor in their previous half-yearly reports, do the visitors convey any information as to the mental attitude of the prisoner. Their reports are confined to the bare statement that he is still insane and incapable of making his defence. All that the visitors imply by their final certificate is that the prisoner has sufficiently recovered to be able to plead insanity, so that his name may be removed from the Magistrate's file of pending cases. And to call upon the prisoner so far is the only action which can be safely taken on the visitors' report as it is now submitted, either by the Magistrate or the local Government. The question of the

Procedure.

Section 468.

Section 471.

Open to objections.

Sufficient evidence not before Government.

disposal of the recovered lunatic is another one which ought to be decided on grounds altogether apart from that of his ability to plead, and these grounds are not before the Magistrate or the local Government when he is sent up for trial.

19. The time spent by a recovered lunatic, after regaining his sanity, before he is brought before the visitors, is probably on an average about three months. The time occupied in arranging preliminaries, from his being declared sane till his discharge to stand his trial, varies from one month to fourteen, the average being four months, making an average period of altogether only seven months of apparent sanity before the man leaves the asylum. This is obviously quite an inadequate test of the permanency of his apparent cure, and is none at all of his power to resist the temptation to return to his ganja habit or other vice.

Instances.

20. The following instances illustrate the risks which we point out:—A man aged 22, suffering from melancholia, commits murder in 1874. He remains insane for six years, and has a short lucid interval in 1880, after which he again continues insane for three years. In March 1883, after a period of nearly nine years' almost continuous insanity, this murderer is declared capable of making his defence. He is discharged for trial in the following month and not again heard of. Another case of melancholia and murder is admitted in 1875, recovers, but has relapses in 1876 and 1877, is declared fit for trial in October, and discharged for that purpose in December 1878, and is lost sight of. Similar cases are numerous.

21. Neither the Magistrate nor the local Government, in dealing with these two cases under section 471, were in a position to know that they had to do, in the first instance, with a confirmed lunatic brought before them in a lucid interval, or, in the second, with a man subject to annual relapses. Had they been aware of the medical histories thus shortly detailed, both men would unquestionably have been returned to the asylum for a further and lengthened period of observation before final action was taken.

22. The visitors in forwarding their opinion that the lunatic can now plead, do not contemplate that final action will then be taken in the case; otherwise they should be careful to accompany it by a recommendation, or a warning, as the case might be.

Sections 474 and 475.

23. The final proceedings affecting the history of a recovered criminal lunatic are those which are taken under sections 474 and 475 of Act X of 1882. The Committee hope that they will be able to submit rules which will enable the Government to decide on the numerous cases now awaiting disposal under these sections.

Cause of difficulty

24. From the sample cases forwarded to them, it is clear that the main difficulty arises from the fact that in most the data necessary for the decision are not contained in the papers before Government. The essential materials for forming a decision are the medical history of the case while under observation, the probable cause of insanity, the age and physical condition of the prisoner, and the social and physical state of the person offering security. The bundles before Government rarely contain any allusion to these points, and the Committee were conscious, in going over these bundles, of the impossibility of giving any decided opinion on the disposal of many of them in the absence of such details. The Commission contemplated in section 474 was no doubt devised to meet this difficulty by a local enquiry into all the circumstances; but the appointment of a Commission under this section seems to have fallen into comparative disuse, in consequence, no doubt, of the feeling that in most cases their enquiry could not be otherwise than formal, for from the constitution of the Commission it must usually consist of the same individuals who had already expressed their opinion as visitors of the asylum. It would practically amount to appointing a Committee to review the work of the same individuals in a slightly different capacity.

Special Commissions.

2 THE MEDICAL ASPECT.

25. A consideration of the issues involved from the medical point of view renders it apparent that all kinds of lunacy cannot be dealt with under a uniform plan; but it will serve to show that the cases can be grouped into classes which vary in degree and kind of risks, to meet which rules can be formulated for the guidance of those with whom lies the final disposal.

26. Insanity is a symptom of disease, or rather of a group of diseases of the organ of the mind, and its dangers and prognosis (on which safe recommendations for the disposal of patients manifesting these symptoms depend) vary with the form or type and cause of insanity, the degree and manner in which the affected organ is involved, and the age and physical power of the patient. We feel strongly impressed that these must form the only reliable basis on which action can be safely taken.

Liability to relapse most important

27. The point of most importance in the question of the propriety of releasing a recovered criminal lunatic is that of the probability of his recovery being permanent. It must be premised that in no case can an absolute assurance be given that a man, who has once been insane, will never become insane again. The same or similar causes, which determined his insanity in the first instance, are capable when acting together of causing a recurrence of the same effect at any more or less remote period. An instance is within our experience of a man who was a non-criminal inmate of an asylum for a few months in 1870, who remained to all appearance sane for 16 years, and committed a murder in 1887 under an illusion of sight. This, however,

is a very exceptional occurrence, and no practical rules could be formulated which would exclude the possibility of such a calamity under their working. To attempt to do so would be equivalent to forbidding the release not only of recovered criminal lunatics altogether, but of non-criminals also, and to condemning them to imprisonment for life. In the vast majority of cases, as is proved by experience, such a policy would be not only cruel, but unnecessary. Experience shows that a very large proportion of recovered criminal lunatics can be released with almost absolute safety, and the selection of those who can, and those who cannot, be so released rests almost entirely on medical grounds.

All lunatics not equally dangerous.

28. All criminal lunatics are not equally dangerous It behoves us to know which are most so.

Influence of type of insanity.

Dangers of mania and melancholia contrasted

29. In Indian asylums the most dangerous are those suffering (1) from acute mania, and (2) melancholia. The maniac is the most dangerous while his mania lasts, but the melancholic is the most untrustworthy. The advent of an attack of acute mania is presaged by signs easily recognized by those familiar with insanity, and the patient can be segregated and treated before his paroxysm comes to a height; but the melancholic gives no warning; he broods for months or years over his fears, his sorrows, or his fancied injury, and his outburst is unpresaged, sudden and violent. Under acute or chronic mania the offences committed may be murder, grievous or simple hurt, mischief, arson, theft; but the crime of melancholia is murder or suicide Again, acute mania is of short duration, and it results either in permanent recovery or in chronic mania, usually of a cheerful, happy kind, with little liability to relapses of violence, except when the cause is one which has no seriously undermined the mental constitution. In melancholia, on the other hand, the causes are generally of this latter nature, the progress is slow, and the permanency of the result is long uncertain.

Different rules required for different risks.

30. It follows from such considerations as these that different rules must be applied to a criminal lunatic recovering from an attack of mania, and to one who has apparently recovered from melancholia The former (acute mania) need not be detained very long in an asylum after his recovery, but his power of resisting temptation should undergo a prolonged probation before he is finally released. The melancholic, on the other hand, is probably best treated throughout, and for a long period, in an asylum.

Risks of chronic mania.

Chronic dementia.

Ill usage of such lunatics in their homes

31. In chronic mania everything will depend on the cause and on the mental attitude of the patient during the continuance of his insanity If the cause is hereditary, he will be liable to relapses, and should be detained for a lengthened period for observation in an asylum. If it is ganja, he should be kept a comparatively short time after his recovery in an asylum, and undergo a long period of probation in a jail. Many such, whose habitual attitude is one of cheerfulness and eccentricity (by far the most common variety of chronic mania in Bengal), might be released without waiting indefinitely for their recovery, if they have never shown any aggressive symptoms, and are capable of earning a livelihood for themselves, as a great many of them are, or if they have friends in a position to offer satisfactory security for them. Similarly cases of chronic dementia, which are hopeless and harmless, may often be released, but generally only on security as they are rarely in a condition to earn a livelihood or to take care of themselves. If, however, they exhibit mischievous or filthy propensities, as those suffering from chronic mania and chronic dementia often do, the expediency of releasing them even on security is very doubtful. One cannot forget what the ordinary fate of such a lunatic is. It is the life of a dog; he is starved, beaten and bound in chains It is in this respect that the question of the social and physical condition of the lunatic's friends is so important. In some cases security for a tall, stalwart maniac is offered by a feeble old grandmother, his sole guardian. If the relatives of a lunatic suffering from chronic mania or chronic dementia are well-to-do, and may be trusted to take really proper care of him, he is no doubt better with them than in an asylum; but if they are poor and have not the means to care properly for him, one would shrink from consigning him to a fate similar to that of many such unfortunates scattered over Bengal— perpetual chains and ill-usage.

Influence of cause of insanity.

Hereditary and emotional causes have most permanent effects

Intoxicants more transient

32. We have already touched on the influence which the cause of insanity bears to this question. It may be said that the causes which produce the deepest and most lasting disorders of the mental functions are hereditary and emotional. Insanity, so originating, is likely to be more lasting and more liable to recur, without apparent reason, than when the result of other conditions. Such cases should therefore be detained for relatively longer periods in an asylum than others. On the other hand, intoxicants, such as ganja, alcohol, and opium have more transient effects, unless their use has been very long continued. Such cases recover speedily, and long detention in an asylum for observation and treatment is unnecessary. Relapse, without fresh access to the drug, is not likely to take place. On the other hand, they should be subjected to a certain period of probation with access to bazars before being finally released.

Influence of age.

33. Another important consideration in deciding such a question as the release of a recovered criminal lunatic is his age. Insanity in its dangerous forms is especially a disease of youth and middle age. The number of men who become insane after 40 is small, and after 50 very small. There would therefore be comparatively little risk *cæteris paribus* in releasing a man of 50 compared with that of discharging a man of 30. His physical condition may also be considered; a man who has grown old and feeble as a trusted inmate of an asylum might, with comparative safety, be allowed to go and end his days among his people, under circumstances that would debar a lusty young man from release.

And physical condition.

General summary of medical aspect.

34. The following summary will be found useful as the groundwork on which all safe recommendations regarding the release of criminal lunatics who have exhibited violent tendencies should be based: —

1. *Acute mania*—

Acute mania due to ganja, &c

(*a*) When the cause is ganja or other intoxicant, relapses, if any, occur early in the history of the case, and cease after a time; otherwise they do not recur except as a consequence of a return to the same exciting cause.

When due to other causes

(*b*) When the cause is heredity and in cases in which it is not known, or of a moral nature, relapses are liable to recur after long intervals of sanity extending to five or six years.

Chronic mania with relapses generally due to ganja.

Chronic mania may be primary or secondary to acute mania. In all cases of chronic mania in which relapses occur and the cause is known it has been found to be ganja, either alone or in association with other causes of insanity, such as alcohol or heredity. Relapses, if any, occur in quick succession early in the history. These cases either (*a*) recover permanently, or so long as they abstain from ganja; or (*b*) they pass into a condition of chæromania, characterised by eccentricity, hilarity, and with delusions of well-being. If released, they are often able to earn a livelihood for themselves, may be allowed to roam at large, and are not easily roused to violence. To this class belongs the great majority of those guilty of petty theft, house trespass, mischief, &c. with whom the offence is a mere accident or episode of an otherwise non-criminal career; or (*c*) they become irritable, quarrelsome, destructive, mischievous, actively indecent, and easily provoked to violence. These latter are very untrustworthy, and their long detention in asylums is the chief cause of the steady increase in the criminal population of these institutions. If released, they are generally chained up in their own homes on account of their destructive, quarrelsome, and indecent habits.

Two varieties of chronic mania—Cheerful

and Irritable

Melancholia always due to emotional causes

3. *Melancholia.*—Ganja never appears as a cause of melancholia. It is always, when the cause is known, found to be due to heredity or to moral causes deeply affecting the mental functions, such as anxiety, grief, losses, law suits or jealousy. These cases are consequently characterised by long periods of mental depression with relapses, if any, at intervals ranging up to perhaps 10 or 12 years between the dates of a first and second attack, with, in the meantime, lucid intervals which may last 1, 2, 3, 4, or 5 years. They are slow to wrath, but when roused their acts are sudden, violent, and uncontrolled.

Of long duration

And uncertain result

Dementia generally secondary

4. *Dementia* is generally chronic and secondary to one of the foregoing types of insanity. Patients pass from a state of chronic mania or melancholia into one of chronic and hopeless dementia, characterised by listlessness, apathy, passive filthiness, and careless indecency. They are not easily excited to acts of violence, and they are rarely capable of earning their own livelihood. When released, they are usually kept chained up or beaten and starved in their own homes on account of their cunning, mischievous, filthy and indecent habits.

Principles of treatment

Acute mania due to ganja

Detention in asylum short

35. From this summary certain commonsense principles are evolved with ease.

Cases included in class 1 (*a*) (acute mania due to ganja) need not be kept longer in an asylum than is necessary to show that the period of tendency to relapse has passed over. This may be put at three—certainly over two—years from the date of recovery from their last attack. They should, however, be subjected to a long period of probation, three years of which should be in the grade of paid warder with the use of money and access to the bazar, so that their power of resisting temptation to indulge in ganja, &c., may be put to a severe test before their final release. Such a man should be kept in the grade of unpaid overseer only so long as to enable the Jail Superintendent to gauge his fitness for promotion to the post of paid warder.

In jail long

Acute mania not due to ganja.

Detention in asylum longer; in jail shorter.

Those included in class 1 (*b*) (acute mania not due to ganja) should be kept longer in an asylum, because their natural tendency to relapse is greater, say four years; and their further period of probation should, we think, be four years, of which two should be spent in the grade of paid warder. Here the object is two-fold—to extend the time of observation considerably, and to afford a fair test of the power to resist temptation, should drugs have been by any chance an unknown element in causation while at the same time the permanency of the cure is favoured and assured by returning the patient gradually to the world.

Chronic mania recovered

Those in class 2 (*a*), *i.e.*, those who have recovered from chronic mania, should be treated in the same way as those in class 1 (*a*) or 1 (*b*), according as the cause is ganja or not.

Unrecovered

May be released when of the cheerful type.

Those in class 2 (*b*) may be released after they have passed six to ten years in an asylum without showing any marked irritability or aggressive symptoms. Certain selected cases, namely those who may be considered capable of earning a livelihood for themselves, may be released without security after a period varying from 6 to 10 years, according to circumstances of crime, age, &c. These should never be sent to a jail

Should rarely be released when of the irritable type

Cases in class 2 (*c*) should not be released at all from an asylum, except in advanced age and on security of a superior kind, which will insure their being properly cared for and prevented from doing injury to themselves or others.

Melancholia

Long probation in asylum

Security required.

Cases in class 3, being specially dangerous and liable to relapses at remote periods, ought, we think, to be detained in an asylum for six years after apparent recovery. If then still under 40 years of age, and therefore still liable, as experience shows, to relapses, it would be imprudent to release such a patient, except on security of the most efficient character. If over 40 years of age, relapse is less likely to occur; but keeping in mind the long periods that may pass before a recurrence of melancholia, it would still be advisable to release him only on security; but under favourable circumstances it might sometimes be dispensed with. Cases of melancholia should not be sent for probation to jail. To them jail discipline would probably be prejudicial.

Crime and demeanour to be considered

If instead of murder the crime of the melancholic be attempt to commit suicide, his demeanour while in the asylum would be the chief consideration; especially if his detention there has been long-continued, and his behaviour quiet and trustworthy for a number of years, he might be released at a considerably less age, according to the individual circumstances.

Should not be released while still melancholy

Melancholics should not, as a rule, be released during the continuance of their insanity in that form. But if the melancholia is of long duration, it often passes gradually into the next kind of insanity (dementia), and the case would thus at last come to be considered under that head.

Dementia.

May sometimes be released

The question of releasing patients in class 4 must be decided on the merits of each. If the dementia is slight, the mental attitude quiet and inoffensive, and the security satisfactory, such cases may, we think, be released after a probation of three to five years in that condition in an asylum, always giving due weight to circumstances of age, crime, &c. These people are capable of being useful in a house or homestead, and have a fair chance of being well treated and looked after.

Not so in bad cases

If the dementia is very pronounced, cases in this class can only be properly and humanely treated in an asylum, except when the relatives are in a good social position, and in that case they will generally prefer to pay for the maintenance of the lunatic rather than take him home.

Epileptic insanity.

Other special forms

36. Under the above headings will be included nearly the whole criminal population of lunatic asylums in Bengal. There is only one special class which is worthy of separate notice We refer to those suffering from epileptic insanity. Every epileptic is liable to exhibit violent and dangerous symptoms, especially immediately after an epileptic seizure, and may remain perfectly quiet, sane, and rational until his next epileptic fit, when he again exhibits for a few hours or days violent, and perhaps homicidal, tendencies. It is obvious that a man who has committed an offence against the person, and shows irritability or violence after his epileptic fits, cannot safely be released from an asylum until there is a reasonable hope that his epileptic habit has been permanently overcome. On the other hand, insanity due to the pregnant or puerperal states is not liable to recur except under the same conditions of health; and insanity due to the climacteric period, and that which is consecutive to fevers, visceral inflammation, &c., has no tendency to reappear. In Indian asylums epileptic insanity is of frequent occurrence, but the other varieties just mentioned are rare, and "general paralysis of the insane"—a very frequent condition in European asylums—is practically unknown among the natives of India. When such cases occur, their peculiar features will no doubt be prominently brought forward by the Superintendent of the asylum for the guidance of Government in dealing with them.

37. As regards those who have never exhibited aggressive symptoms during any period of their medical history (the non homicidal cases of the Government Resolution), we agree in thinking that such long periods of probation are not called for as in the case of those criminal lunatics who have been guilty of offences against the person, or have shown themselves to be violent and intractable while under observation in an asylum. The type of lunacy usually exhibited by these cases is chronic mania, dementia or imbecility, and their crimes are generally theft, house trespass, and mischief. There is, from a medical point of view, little difference between them and ordinary non-criminal lunatics, and we would be inclined to dispose of them in much the same way as non-criminal lunatics. Their committal is more or less accidental—sometimes a device of relatives to rid themselves of a troublesome charge—and their offence itself may be regarded as a mere episode in an otherwise non-criminal career. Their fellow-inmates of the non-criminal list have probably many of them been guilty of the same crimes, and are just as likely as they to commit similar offences if released under the provisions of Act XXXVI of 1858. The non-criminal lunatic has had the fortune not to be arrested and brought before a Magistrate, but his mental attitude and proclivities are the same.

Harmless criminal lunatics

38. We accordingly think that cases of this nature should be detained in an asylum only long enough to afford the Superintendent time to form a trustworthy opinion on their tendencies. This will depend on the character of the evidence at his command. The information forwarded with the lunatic in his descriptive roll is always meagre and generally quite untrustworthy, and a certain period for observation is always desirable; but we do not think that this need ever exceed three years, even in cases regarding whose history nothing is known. If during that time a lunatic accused or acquitted of a petty offence shows no aggressive symptoms his case may be brought up for disposal. Government in dealing with such instances will have to consider, as before, the type and cause of insanity and the nature of the security offered. As already stated, when the insanity is the gay and happy variety of chronic mania, security may often be dispensed with, as also in certain milder forms of dementia; but in the irritable variety of chronic mania and in the worse forms of dementia, the character of the security offered will be the main consideration. We would, however, strenuously insist that the nature of the crime alone cannot be accepted as ground for relaxing the rules for safeguarding the public from the risks of releasing criminal lunatics. These risks can only be safely accepted when the medical history sheet shows clearly that there has been no tendency at any time to violence. In every instance the cause, type, and whole tendency of the case must have their due weight, and the crime must be relegated to its proper position as a mere incident, though an important one, in the medical history.

Medical history all important.

The crime a mere incident.

3. THE ADMINISTRATIVE ASPECT.

39. We have now to consider the administrative aspect of the question. How and where can a recovered criminal lunatic be most appropriately put through the period of probation which may be considered necessary prior to his final release?

40. There can be no question, we think, that the early periods of probation, after apparent recovery from insanity, ought to be passed in a lunatic asylum, under the eye of those whose business it is, and who are accustomed to note and treat the earliest signs of a tendency to relapse. It is only there that such signs will be recognised and properly treated. It is not an uncommon thing for recovered lunatics to come forward in an asylum and place themselves under treatment. They are conscious of something going wrong, of beginning to lose control over their feelings, and they ask to be taken care of. At such times different individuals exhibit peculiarities which are the same on each occasion. It may be nothing more than an alteration in manner or expression, a tendency to write with charcoal on the walls or to submit petitions. In an asylum these peculiarities are recognised in their proper light, and the patient is humoured, perhaps indulged, and receives a few doses of an appropriate remedy, and the symptoms may pass off. Sometimes he is removed from one occupation to another, so that he cannot injure himself or others, till he returns to his natural condition. In a jail these peculiarities would either be unrecognised, or they might be misunderstood and repressed, and on being more unmistakeably manifested the Superintendent of a jail, in which the discipline is necessarily more severe than that in an asylum, has no resource but confinement in a cell—a treatment calculated to develop rather than tide over the incipient symptoms.

Early period of probation must be in asylum.

41. It is clear for these reasons that during the development of the medical history, while the nature of the case, character of the patient, and the probability of relapse are still doubtful, a recovered lunatic should be detained under skilled observation and treatment in a lunatic asylum. Examples of the danger of departing from this salutary rule are not wanting. An instance is on record of an apparently recovered lunatic having been transferred to a jail within a year of his recovery, and there within a few months, suddenly, without provocation or apparent warning, slaying a fellow-prisoner with a log of wood. Had he been detained longer in an asylum, some peculiarity would have been noted, and he would have been removed from an occupation where danger was possible, and the impending attack of mania possibly perhaps staved off.

Danger of permature transfer to jail.

The period for detention in asylum will vary

42. The period which should be spent in an asylum in this early stage of observation will vary with the nature of the case, but experience justifies the following recommendations. When ganja or other intoxicants enter as a cause, a period of three years of freedom from excitement or relapse is sufficient to remove, as before stated, the likelihood of relapses in the absence of the exciting drug, to one of remote probability. If therefore during six consecutive half-yearly reports the patient remains free from excitement or abnormal irritability of temper, the propriety of transferring him to a jail may be brought up for consideration. If, however, the case were one due to causes other than intoxicants, such a period would not be sufficient to test the liability to relapse. Experience shows that these relapses are not impossible up to six or even more years, and we think that, while relapses are not improbable, such a criminal lunatic should be detained for observation in an asylum, say four years after apparent recovery.

May be promoted to grade of unpaid overseers.

43. This brings us to the consideration whether the whole period of probation contemplated might not best be spent in an asylum. We see no reason why, as suggested in the Resolution of the 21st of October, recovered criminal lunatics should not be promoted to the position of unpaid asylum overseers. The system has already been tried in at least one of the asylums of Bengal with satisfactory results. Selected recovered criminals are there placed in charge of special gangs of other lunatics working in different parts of the asylum, in the garden, the cook-shed, the carpenter-shop, the cow-house, the oil-mills and with the sweepers, and they have taken the positions of former paid servants. They are found to do the work better and more punctually than formerly, and it has been found possible to effect a considerable economy in the establishment which, thus relieved to an appreciable extent of the duty of looking after harmless inmates, can devote more care to the dangerous and untrustworthy. We would, however, leave the Superintendents unhampered by any regulations as to the selection of lunatics for these posts. In a well-managed asylum it is not even essential that they should all be recovered lunatics in the sense in which the word is used throughout this discussion. Some of the most useful men will always be those who have been long in the asylum, subject to periodic relapses which can always be foreseen, and as such they are obviously unfit for transfer to a jail.

Difficulty of promoting to paid keepers

44. We do not think, however, that promotion to the post of paid keeper in an asylum can be utilised so easily, and with so good a guarantee of testing permanent recovery, as that to the post of paid warder in a jail. The warders in a jail are provided with quarters outside and the recovered lunatic would live with them and be under the observation of a head-warder to whom his habits both by day and night would no doubt be known. His falling to the temptation of ganja or other intoxicants would thus probably be soon detected and reported. The keepers of asylums are not provided with quarters; they live in their own houses in the town. The recovered lunatic, if placed on the same footing with them, would also have to live as they do, and thus practically become removed from observation during a great part of every day and night. If, however, quarters were provided for asylum keepers, promoted lunatics could live with them, and be under just as good observation as they would be when promoted to paid warders in a jail; but this would entail an expense which seems hardly called for.

Would not constitute perfect test

45. In the meantime, and in the absence of quarters for asylum keepers, we are of opinion that promotion to the post of paid overseer in a lunatic asylum, where the lunatic would be detained within the asylum every night, or be able entirely to elude observation in the town, would not be so complete a test of his trustworthiness under temptation as promotion to the post of paid warder in a jail, and it might, even sometimes be very dangerous.

Advisable in certain cases.

46. When from any reason, such as the nature of the case, or the economical and efficient management of an asylum, it may be thought expedient to detain a recovered lunatic for a long period in an asylum, and perhaps ultimately to discharge him direct from the asylum (as, for instance, when he has learned a handicraft and there is no one in the asylum to replace him), some special liberties might in the last year of his contemplated detention be awarded him, such as liberty to leave the asylum during non-working hours up to 10 P.M., with pay proportionate to his requirements after deducting the cost of his food in the asylum.

Under certain regulations suggested

Suitable for melancholia

47. As we have said, we think that, when the disease has been melancholia, this should be the rule and not the exception. There is, as a matter of fact, very little that is unpleasant in the life of a recovered criminal lunatic in a well-managed asylum, bar deprivation of liberty. Recovered criminal lunatics form a community apart from the others; they have their own dormitory, where they are undisturbed by troublesome or noisy and dirty inmates. They can, if they choose, cook and eat by themselves, and they have other indulgences such as tobacco and *pân*; a small library is provided for their use where they may sit up to 10 P.M., before being locked up for the night; they have their own quilts; they have musical instruments, and in some asylums fortnightly entertainments; and their various *pujas* are celebrated under the auspices of one of their own number. To remove a man from the enjoyment of these innocent indulgences, and submit him to the rigour of jail discipline where all of these amenities are strictly forbidden, is not in itself conducive to assure the permanency of his recovery. It can only be excused on the ground that it is necessary to do so in order to protect public safety. Recovered

lunatics now choose to forego the indulgences of an asylum for the discipline of a jail because they think that by doing so they accelerate their ultimate release from custody; but if under a new system they were assured that their discharge would be equally speedy, there is not one who would voluntarily exchange the mild restraints of an asylum for the worrying details of jail life On the other hand, to the morose disposition of a recovered melancholic, the latter might assume the appearance of unmerited punishment, and it is in such a case that the discipline of a jail might possibly act as an incitement to a fresh attack characterised by a sudden onslaught on some unsuspecting companion These cases, which form a comparatively small percentage of recovered lunatics, we therefore think might with advantage be excepted from the rule of passing all recovered criminal lunatics through a jail before final release. Experience shows them to be also liable to relapses at longer intervals than are any other class of lunatics.

Possible difficulties in transferring recovered lunatics to jails.

48 Again, there is no doubt that the presence of recovered lunatics is a weakening element in the paid establishment of a jail There could not fail to be a feeling of distrust with regard to them, which would prevent their being employed indiscriminately in every kind of duty, more especially such as necessitate a knowledge of drill, acting in concert for the prevention of escapes, outbreaks, &c. On that account the suitability of jails for the reception of recovered lunatics as paid warders is limited. This might, from time to time, prevent the system of passing all recovered lunatics through jails being uniformly carried out. Sometimes it might happen that the plan could not be fully adopted without exceeding the number that could, with a due regard to the efficiency of the jail guard, be so employed.

49. For these reasons we think that, though this should be the regular procedure, there should be an alternative one by which melancholics and other lunatics may from time to time be liberated direct from asylums under precautions such as we have hinted at above.

Procedure on transferring lunatic to jail

50. Whenever it is thought advisable to remove a recovered lunatic from an asylum to a jail, the Superintendent of the jail should be furnished with a complete medical history of the lunatic, similar to that which we think should accompany his papers on all occasions when his case is about to enter on another phase; and the Superintendent should there clearly show in what way he has been employed while under probation in the asylum. This would serve to prevent the irritation or depression likely to follow his being placed unnecessarily on more degrading work in the jail than he has been accustomed to be entrusted with in the asylum A man, possibly of good social position, who while in the asylum, acted as godown-keeper or oil-seller, or was in charge of the cook-house or vegetable garden, would naturally feel aggrieved if put to sweep a surface drain on his admission to jail, and such work might sometimes have a prejudicial influence on his mental health Such a man might at once be made a hospital attendant, or keeper of an inside gate. But if the Jail Superintendent knew nothing of his previous history, he would not be justified in putting him to responsible work of this kind without some period of probation

Retransfer to asylum

51. Facilities should also be given for the immediate retransfer of a recovered lunatic to an asylum should he have a relapse of insanity. We have already shown that there are no facilities for treating a lunatic properly in a jail and his detention there, except as a test of the permanency of his recovery, is unwarrantable. A relapse shows that his recovery was only temporary, and he should at once be returned to the asylum from which he came This could be done under Rule 20 of the rules for the management of lunatic asylums, which empowers the Inspector-General of Jails and officers in charge of jails to transfer insane prisoners to asylums in anticipation of orders of Government in urgent and special cases.

Should be transferred to Central Jail.

52. To facilitate this being done, it is desirable that the custom of transferring recovered lunatics in the first instance to Alipore Jail should be discontinued They should instead be sent to the nearest central jail, consistently always with the ability of that jail to receive them. Retransfer, if necessary, could then take place under rule 20 with less delay and with great advantage to the relapsed lunatic.

The number now in asylums fit for transfer.

53. From information received from the several asylums in Bengal, the Committee has reason to believe that there are not at present more than twenty individuals who would, under the rules we submit for approval, be immediately eligible for transfer to jails. This number the seven central jails could easily provide for as overseers or on light work, according to their fitness. If in future no larger number were available annually, the central jails could continue to absorb them; for although it would not be advisable to appoint more than two paid warders of this class in each central jail, it is possible that only two-thirds of the entire number would, by reason of their intelligence and steadiness under probation, be found competent to undertake the duties required of them in that grade. If larger numbers were forthcoming in future years than the central jails could with due regard to the efficiency of the warder establishment provide for, the more important of the district jails could each entertain one recovered lunatic as a paid warder, those district jails situated close to asylums being first utilised for the purpose.

Could be absorbed by Central Jails, or large District Jails.

Duties suitable for recovered lunatics in jails.

54. The Committee is of opinion that it is important, while utilising the jail department for this purpose, that care should be taken that the occupation of each individual should be such as would have a tendency to develop

rather than cramp his mental faculties and enlarge his sense of responsibility and usefulness. To this end his asylum history should be supplied to the jail, so that his capacity might be gauged by the Jail Superintendent, and the work allotted to him be in accord with his capabilities. The duties on which this class could most advantageously be employed previous to promotion to the grade of paid warder are, in the opinion of the Committee, the following:—Messengers; inside gate-keepers; passmen taking charge of parties or of individual prisoners proceeding to latrines, &c.; ration-weighers and hospital attendants, for which last duty the more intelligent would be specially suitable. After a period of employment in such capacities, they could, at the discretion of the Superintendents of the jails, be promoted to the grade of unpaid overseers, and subsequently to that of unpaid convict warders, putting in their final probation as paid warders for prescribed periods of two or three years.

The period of detention in jail contemplated in Government Resolution not sufficient.

55. From the records before us we are convinced that the period of detention in jail suggested in the Government Resolution is insufficient. Three years, of which one would be in the grade of paid warder, would not be an adequate test of the permanency of recovery in cases of acute and chronic mania, especially with a ganja habit. Unless the recovered lunatic had spent a longer period than we propose in an asylum, such a period of detention in jail would not cover the time which we think necessary to protect the public against the risk of premature release. Our proposals, while they ensure greater safeguards, do not increase the cost to Government, because, during the extra time we would prescribe for final proof of their trustworthiness, recovered lunatics would take the place of paid servants, and the warder establishment and its cost would not undergo any increment.

Great caution necessary in disposal of criminal lunatics.

56. The evidence which we have of the liability to relapse in the early period of apparent recovery, rendering detention for three years in an asylum a wise precaution, may give rise to a feeling of disappointment as regards the small number which can immediately be brought under the action of our proposed rules and transferred to jails. But we feel that great caution is required in dealing with this notoriously untrustworthy class of criminals, and we do not think that this period can, in the case of violent and homicidal lunatics, be safely curtailed.

57. But although much immediate reduction will not be effected by our proposals in these classes under the rules which we suggest, the asylums will be relieved of a large number of harmless criminal lunatics now detained indefinitely in the absence of any safe guide for their disposal; and in other respects, especially as regards the manner in which criminal lunatics will be dealt with by executive and judicial officers and their cases sent up for the orders of Government, a marked and necessary improvement will, we hope, follow their adoption.

58. The Committee would venture to remark that, in their opinion, the time at the disposal of a Secretary to Government, and the unlikelihood of his possessing special knowledge, render it desirable that he should be assisted in framing the recommendations which it is his duty to submit for the orders of Government. We therefore beg to suggest that a Standing Committee, consisting of the Secretary to Government as President, the Inspector-General of Jails or a Jail Superintendent, and a Presidency Surgeon, meet at stated intervals to dispose of the cases of criminal lunatics under these rules.

E. A. BIRCH, M.D.,
Surgeon-Superintendent of the Presidency General Hospital.
A. CROMBIE, M.D.,
Superintendent of the Dacca Lunatic Asylum.
A. D. LARYMORE,
Superintendent of the Alipore Jail.

Rules for the guidance of Executive and Judicial Officers in dealing with criminal lunatics.

WHENEVER the papers of a criminal lunatic are sent up to Government for orders, they should be accompanied by a medical history sheet (Appendix I) containing the following particulars, without which a safe decision cannot be arrived at:—

1. Name and sex.
2. Crime.
3. Present age.
4. Physical state.
5. Probable cause of insanity.
6. Type of insanity.
7. Duration of insanity and has it been continuous, giving dates?
8. Has he at any time shown aggressive symptoms?
9. If so, when and of what kind?
10. If reported sane, how long since last manifestation of insanity?
11. Is he subject to relapses? If so, give dates.
12. Is he capable (*a*) of taking care of himself; (*b*) of earning a livelihood?
13. How has he been employed while in asylum?
14. If security is obtainable, its nature and the social position and character of the sureties.

I.—When the lunatic has been confined in a Lunatic Asylum under Act V of 1871 (Prisoners' Act) (as amended by Act X of 1886).

1. In every case the medical history sheet should be accompanied by an abstract from the asylum case-book, detailing the chief events in his history, recorded opinions, with dates, regarding his mental attitude while under observation in the asylum, together with the opinion of the Superintendent of the Asylum on the safety of the proposed procedure.

2. When a remand to jail under section 31 of this Act is recommended, the Superintendent of the Asylum will give specific reasons for thinking that this procedure is a safe one, having due regard to the medical history and length of unexpired sentence to run before final release from jail

3. When further detained under Act XXXVI of 1858, and the case is brought before the Visitors under section IX or the Magistrate under section X of that Act, it will be the duty of the Superintendent of the Asylum to furnish in writing all the details required in Appendix I for the information of the said Visitors or Magistrate, together with his own opinion of the safety of releasing the lunatic.

4. In the event of the lunatic having at any time exhibited a tendency to violence, it will be the duty of the Visitors or Magistrate, as the case may be, to satisfy themselves that a sufficient length of time has elapsed since such manifestation to render a recurrence improbable, and that the sureties are in a position to control the actions of the lunatic should it recur.

II.—Release of an accused lunatic pending investigation or trial under section 466 of Act X of 1882.

5. If the crime of which such person is accused be an offence against the person, or if there is reason to believe that he has at any time been aggressive, the Magistrate or Court of Sessions should consult the Civil Surgeon under whose observation the lunatic has been detained, and he should have before him the information detailed in Appendix I, as far as possible, before accepting bail.

III.—Procedure when lunatic prisoner is reported capable of making his defence under section 473 of Act X of 1882.

6. The Magistrate or Court of Sessions should keep in mind that, unless the opinion of the Visitors of an Asylum that the accused is capable of making his defence, is accompanied by a medical history of the lunatic, detailing especially the type and cause of insanity, his mental attitude while under observation, and his liability to relapses, there is generally not sufficient ground before them for making any recommendation to the Local Government for the disposal of such person under section 471. It shall therefore be the duty of the Superintendent of the Asylum to forward with every lunatic sent to stand his trial his medical history sheet carefully filled in, together with an abstract from the case-book, detailing the chief events of his history with recorded opinions of his case, for the information of the Magistrate or Court, and for transmission to the Local Government.

IV.—Procedure under section 474 when a criminal lunatic is harmless and his crime not an offence against the person, or if so, of a trivial nature.

7. When a criminal lunatic has never exhibited any tendency to violence, and his crime has not been an offence against the person, or, if so, if it was of a trivial nature and not evincing a decided homicidal tendency, the Local Government will be mainly guided in passing orders under section 474 by the recommendations of the Visitors and of the Superintendent of the Asylum, with whom therefore the responsibility of releasing or detaining the lunatic will practically rest.

V.—Procedure when a recovered lunatic is transferred to a jail.

8. When a recovered criminal lunatic is transferred from an asylum to a jail, the Superintendent of the Asylum will forward to the Superintendent of the Jail a copy of the lunatic's medical history sheet, together with a statement showing the manner in which he has been employed in the asylum up to the time of his transfer.

9. Recovered criminal lunatics shall, in the first instance, be transferred to the jail of the district in which the asylum is situated. For this purpose the Alipore and Presidency Jails shall both be receiving jails for the Dullunda Asylum. The Patna, Cuttack, Berhampore and Dacca Jails shall be the receiving jails for the asylums in those cities. In these receiving jails the recovered lunatic shall serve the probationary period to be passed in the grade of convict overseer, after which he may be transferred to serve as convict and paid warder in the jail nearest his home.

VI.—Procedure when a lunatic, who is undergoing probation in jail, relapses.

10. When a recovered criminal lunatic undergoing probation in a jail has a relapse of insanity, he should be immediately returned to the asylum from which he came, under Rule 20 of the Rules for the management of Lunatic Asylums, in anticipation of the orders of Government.

VII.—Miscellaneous provisions.

11. In those cases in which it is impossible, for reasons of physical or mental infirmity, to promote a recovered criminal lunatic confined in a jail to the higher grades of the Jail service, the Inspector-General of Jails is authorised to sanction a monthly allowance of Rs. 2 in addition to the jail scale of diet, which allowance the recovered lunatic may spend in the bazaar for his private use.

12. Recovered female criminal lunatics will not in any case be transferred to jails, but may be promoted at the discretion of the Superintendent of the Lunatic Asylum to the post of keeper, receiving, after a period of probation of at least two years, a monthly allowance of Rs. 2, and may be eventually released on conditions similar to those laid down for recovered male lunatics transferred to jails.

APPENDIX I.

Form of Medical History Sheet to be sent to the Local Government with the Visitors' recommendations regarding criminal lunatics, or to the Superintendent of a Jail on the transfer of a lunatic.

1—13 to be filled in by the Superintendent of the Asylum in which the lunatic has been confined; 14 to be filled in by the Magistrate of the district to which the lunatic belongs.

1. Name and sex.	
2. Crime.	
3. Present age.	
4. Physical health.	
5. Probable cause of insanity.	
6. Type of insanity.	
7. Duration of insanity, and has it been continuous, giving dates?	
8. Has he at any time shown aggressive symptoms?	
9. If so, when and of what kind?	
10. If reported safe, how long since last manifestation of insanity?	
11. Is he subject to relapses? If so, give dates.	
12. Is he capable (*a*) of taking care of himself; (*b*) of earning a livelihood?	
13. How has he been employed while in Asylum?	
14. If security is obtainable, its nature and the social position and character of the sureties.	

Principles on which the Local Government will act in disposing of the cases of criminal lunatics sent up for orders under sections 466, 471, 474, and 475 of Act X of 1882.

I.—Medical history sheet to be called for in every case.

1. Final orders should not be issued unless the lunatic's papers are accompanied by the medical history sheet as suggested in Appendix I.

A.—Recovered criminal lunatics.

II.—Crime. *Offence against person.*
Cause. Ganja, &c.
Type. Acute or chronic mania
(*a*) Age under 40 years.
(*b*) Age over 40 years.

2. If the crime be against the person, the cause ganja or other intoxicant, and the type of insanity acute or chronic mania, a period of three years should be spent in an asylum free from all signs of insanity before any action is taken.

(*a*) At the end of that time, if under 40 years of age and in good physical health, he should be transferred to the nearest central or other jail, there to undergo a period of probation of six years, of which three had better be in the grade of paid warder.

(*b*) If over 40 years of age, or in poor physical health, the period of probation in jail may be shortened according to circumstances of crime and nature of security offered.

In any case security should, if possible, be taken on the expiry of his period of probation in jail.

III—Crime. *Offence against person.*
Cause. Not ganja, &c.
Type. Acute or chronic mania.
(*a*) Age under 40 years.
(*b*) Age over 40 years.

3. If the crime be an offence against the person, the type of insanity acute or chronic mania, and the alleged cause not ganja or other intoxicant, a period of at least four years of complete freedom from insanity should be spent in an asylum before action is taken.

(*a*) At the end of that time, if under 40 years of age and in good physical health, he may be transferred to a jail, there to undergo a probation of four years, of which two should be in the grade of paid warder.

(*b*) If over 40 years of age, the period of probation in jail might be shortened, according to circumstances of health and surety. Security should, if possible, be taken before his final release from jail supervision.

IV—Crime. *Not offence against person, but mental attitude aggressive.*
Type. Acute or chronic mania.

4. If the crime be not an offence against the person, but the lunatic have at any time exhibited dangerous or violent tendencies, and the type of insanity is acute or chronic mania, he should be treated exactly as above, except that the period of probation in jail may be shortened in accordance with the kind and degree of violence exhibited; always provided that in ganja cases the period spent as paid warder should be three years, and in non-ganja cases two years. In all, security should, if possible, be taken on final release.

V.—Crime. Not offence against the person, or, if so, trivial in its nature; mental attitude not aggressive.

5. If the crime be not an offence against the person and there be no history that the lunatic was at any time aggressive, he may generally be treated much as if he were a non-criminal lunatic. As has been stated in rule 7 for the guidance of executive officers, the Local Government will generally be guided in such cases by the recommendations of the Visitors and of the Superintendent of the Asylum in which the lunatic has been confined.

VI.—Crime. *Murder.*
Type. Melancholia.
(*a*) Age under 40 years.
(*b*) Age over 40 years.

6. If the type of insanity be melancholia, a period of at least six years' complete freedom from insanity should be passed in an asylum before action is taken. During the last year of this period the recovered criminal may be allowed access to the bazar under certain regulations.

(*a*) If at the end of that period he is still under 40 years of age, he should not be released except on excellent security.

(*b*) If over 40 years of age, security should, if possible, be obtained.

VII.—Crime. *Attempted suicide.* Type. Melancholia.

7. If the crime be attempt to commit suicide, and not murder, the type melancholia, and if he has not exhibited any violent tendencies while under observation, some relaxations of the rules may be permitted according to circumstances of age, period of detention, &c.

Cases of melancholia should not be sent to pass a period of probation in jail.

B.—Unrecovered criminal lunatics.

VIII.—Crime. *Offence against person.*

(*a*).—Type. Irritable chronic mania.

8. If the crime be an offence against the person, the type chronic mania of the irritable aggressive kind, it will seldom be possible to release the lunatic during the continuance of insanity, except in advanced age and on exceptional security.

(*b*) —Type. Chæromania.

If the crime be an offence against the person, the type of insanity chronic mania of the amiable kind, a lunatic may be released after passing six to ten years in that condition, but only on security.

If below 40 years of age, detention should generally be ten years; if over 40 years of age, six years may suffice.

IX.—Crime. Not offence against the person, or, if so, trivial in its nature; mental attitude not aggressive.

9. If the crime be not an offence against the person, or if an offence against the person of a trivial nature, and the lunatic has never exhibited aggressive symptoms, he may generally be treated much as if he were a non-criminal lunatic, and the Local Government, when dealing with his case under section 474, will be guided chiefly by the recorded opinion of the Superintendent of the Asylum as to the propriety of releasing him, and by the recommendations of the Visitors.

(*a*)—Type. Chæromania.

(*a*)—If his mental attitude be chronic mania, characterised by good humour, cheerfulness, and amiability, and he is able to earn a livelihood, he may generally be released with or without security.

(*b*)—Type. Slight chronic dementia.

(*b*)—If it be chronic dementia or imbecility of slight degree, he may be released on similar conditions.

(*c*).—Type Irritable chronic mania or pronounced dementia.

(*c*.)—If he be suffering from chronic mania of the irritable mischievous type or chronic dementia of a more pronounced character, he may still be released, but only on satisfactory security that he will be properly cared for and prevented from doing injury to himself or others.

(*d*).—Type. Worst degrees of chronic mania, dementia or imbecility.

(*d*).—If the chronic mania be of inveterate type, or the dementia or imbecility of the last degree, the lunatic can only be safely and humanely treated in an asylum.

RESOLUTION ON THE ADMINISTRATION REPORT OF THE COMMISSIONERS FOR MAKING IMPROVEMENTS IN THE PORT OF CALCUTTA FOR THE YEAR 1887-88.

No. 1252Marine.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

RESOLUTION.

Dated Calcutta, the 17th August 1888.

READ—

The Administration Report of the Commissioners for making Improvements in the Port of Calcutta for the year 1887-88.

The Commissioners have deemed it advisable to separate all financial re-returns in connection with the Kidderporo Dock works from those of other and completed works already bringing in revenue. The arrangement is approved, and the accounts of the dock works are therefore excluded in the following remarks on the general debts. The consolidated debt due to Government was reduced during the year under review by Rs. 1,18,504, and a sum of Rs. 1,09,800 was invested on account of the Sinking Fund for the debenture loans. The total debt of the Trust at the close of the year, exclusive of the advances received from the Government for the dock works at Kidderpore, was as follows:—

	Rs.
Consolidated repayable debt due to Government ...	45,24,831
Port Book debt not repayable	17,65,000
Due on Debenture Loan of 1881	10,00,000
Ditto ditto 1883	20,00,000
Ditto ditto 1886	30,00,000
Total ...	1,22,89,831

2. Against the above debt the assets of the Trust on the 31st March 1888, exclusive of the value of the river frontage lands, which were made over to the Commissioners free of cost, amounted to Rs. 2,13,60,352, thus—

		Rs.
Expenditure on jetties and appliances for sea-going vessels to the end of March 1888 ...		81,57,981
Ditto on inland vessels' wharves, landing-stages, tramway, &c., on the Calcutta bank of the river ...		61,73,910
Ditto on inland vessels' wharves, landing-stages, tramway, &c., on the Howrah bank of the river ...		15,40,031
Ditto on dock, for docking and repairing vessels, &c. ...		5,25,484
Ditto on moorings, anchor-vessels, Harbour Masters' boats, light-ships, survey-vessels, &c. ...		37,94,384
Ditto on Reserve Funds ...	Jetty Reserve Fund ...	99,244
	Jetty Insurance Fund ...	50,000
	Port Reserve Fund ...	3,64,250
	Port Depreciation Fund ...	1,99,995
	Port Approaches Depreciation Fund ...	42,573
	Debenture Loan Sinking Fund ...	4,12,500
	Total ...	2,13,60,352

3. The sources of income from which the above property has been constructed, purchased or acquired, are shown below:—

	Rs.
By loan from Government (repayable) ...	60,25,100
Ditto ditto (not repayable) ...	17,65,000
Ditto on 4½ per cent. debentures of 1881 ...	10,00,000
Ditto on 4½ per cent. debentures of 1883 ...	20,00,000
Ditto on 5½ per cent. debentures of 1886 ...	29,07,719
Contribution from Government towards purchase of land for new river-side road ...	74,584
Ditto ditto landing stage at Prinsep's Ghât ...	10,000
Ditto ditto River Police block ...	7,150
Ditto ditto Port Approaches ditto ...	7,19,203
From sale of surplus land ...	4,09,367
From revenue derived from works since formation of Trust ...	64,42,229
Total ...	2,13,60,352

4. The total income in 1887-88 under Revenue accounts amounted to Rs. 35,65,361 against Rs. 31,67,804 in the year before. The total expenditure, including contributions and sinking fund charges, amounted to Rs. 32,99,415 against Rs. 27,50,763, the expenditure of 1886-87. The year under review therefore closed with a net revenue balance of Rs. 2,65,946. The contributions to Part VII [Port approaches] make the income and expenditure shown against Revenue Rs. 5,85,000 in excess of the actuals, this amount representing those contributions being shown twice on both sides of the account. After making allowance for this, the actual income and expenditure against Revenue was as follows:—

		Rs.
Opening Revenue balance		3,87,040
Income of the year		*25,93,321
Total ...		29,80,361
	Rs.	
Expenditure—Ordinary	23,36,133	
New works	1,64,531	
Redemption of debt	2,13,751	
		27,14,415
Closing Revenue balance ...		2,65,946

5. Under Capital account the expenditure amounted to Rs. 6,03,251. This expenditure included a sum of Rs 50,365 paid by the Commissioners as a contribution towards removing the municipal pumping station from Chandpal Ghât, thus rendering the frontage at that place available for passenger traffic. It was stated in paragraph 3 of the Resolution on the Administration Report of the Commissioners for 1886-87 that the new Tea Warehouse had been completed. This was, however, not the case, and during the year under review a further expenditure of Rs. 2,06,661 was incurred in completing the work. At the Petroleum Wharf at Budge-Budge a sum of Rs. 46,701 was spent for providing better protection for the oil cargoes stored there. A sum of Rs. 2,37,121 was expended on a new light-vessel.

6. The advances which the Commissioners received from the Public Treasury for the dock works at Kidderpore amounted to Rs 84,00,000, and the total expenditure incurred on these works up to the 31st March 1888 amounted to Rs. 84,58,536. The works have been inspected quarterly by two Engineers appointed by the Government, whose reports show that they have progressed satisfactorily. The inspecting officers have on each occasion reported that the quality of the work is all that can be desired.

7. The income from Jetties was Rs. 10,52,440 against Rs. 9,18,855 in 1886-87. The excess revenue was mainly derived from the loading and unloading of vessels at the Petroleum Wharf at Budge-Budge, which was worked throughout the whole of the year, against only eight months in the year before, and from the Tea Warehouse which was worked during eight months of the year. The expenditure was Rs. 48,319 in excess of that of the previous year. The increase was principally due to working expenses and to increased provision on account of interest and sinking fund on the borrowed capital to complete the Tea Warehouse and the Petroleum Wharf, the whole of which was taken up in the year before. The net revenue of the year amounted to Rs. 3,76,641 against Rs. 2,91,375 in 1886-87.

8. The Inland Vessels' Wharves yielded an income of Rs 40,720 over that of the previous year. The tolls and the rent and other charges for the use of the wharves contributed mainly to the increase. The full amount of the last Debenture Loan having been taken up, the charges on account of interest and sinking fund raised the expenditure by Rs. 11,803, but notwithstanding this increase the year closed with a net revenue of Rs. 1,87,263 against Rs. 1,55,098 in the previous year.

9. The receipts and charges on account of the Strand Bank lands amounted, respectively, to Rs 1,83,931 and Rs. 94,959 against Rs. 1,71,450 and Rs. 1,05,278 in the year before. The amount of rent collected was larger than that of any previous year, and the net revenue exceeded that of 1886-87 by Rs. 23,300.

10. The earnings of the Harbour Masters' Department fell off by Rs. 23,536 compared with the figures of the previous year. The decrease, which was chiefly under the head of mooring fees, was nominal, inasmuch as the revenue derived from this source in 1886-87 was considerably enhanced by the adjustment during that year of the accounts of a large number of vessels which had entered the port in the year before. The expenditure amounted to Rs. 5,00,713, or Rs. 1,608 less than that of the previous year. The net revenue was Rs. 72,958.

11 The statistical returns relating to the shipping of the port show that the tonnage was larger than in any preceding year. The tendency to transfer the trade from sailing vessels to steamers, and to employ vessels of larger tonnage, still continues. It is observed that the statistics are sufficient for the purpose of watching the development of the trade of Calcutta, but they cannot be used for drawing comparisons between the shipping of Calcutta and that of any other port, or between their relative trade. At Calcutta the statistics take account only of seagoing vessels taken up or down by pilots. They take no account of the immense trade which is carried on in other vessels both steam and sailing, and the Lieutenant-Governor agrees with the Commissioners in thinking that if comparisons are to be drawn between the trade of different ports, it is necessary to make a careful analysis of the returns in order to arrive at the true results.

12. Ten casualties happened to vessels in charge of Assistant Harbour Masters, one only of which resulted in damage to the vessel. Three cases of fire occurred on board of vessels, and in one of these the cargo was damaged.

13. The moorings were all examined during the year, and the parts found defective were replaced. Three new moorings were laid. Owing to the increased length of the vessels visiting the Port, and the increased space required for landing stages and hauling-out spaces, 16 of the smaller berths had to be abandoned and the moorings weighed: three of them have been relaid in greater lengths. Three other fixed, and three swinging moorings have also been relaid in greater lengths. The total number of moorings at the close of the year was 225, of which 175 were fixed and 50 swinging. The dredger was at work for 153 days and excavated 2,752,500 cubic feet at a net cost of Rs. 22,908.

14. The number of vessels of all description surveyed was 355, and the total number of visits paid to them was 883. In the course of the enquiry into the loss of the S. S. *Sir John Lawrence* during the cyclone of the 25th May 1887, the method in which the surveys were conducted was alleged to be "unsatisfactory and in need of speedy reform." A Committee was thereupon appointed by the Commissioners to make a thorough investigation into the matter, and they reported that the charge was not only untenable, but that the surveys executed were thorough and satisfactory. The Lieutenant Governor is glad to be able to accept this report.

15. The provisions of Acts VI and VII of 1884, which require the express sanction of Government to the issue of certificates of survey under these Acts, are said to be productive of inconvenience. The question of amending the procedure is now under consideration, and the Lieutenant-Governor hopes that it will be possible to find a satisfactory solution of the difficulties.

16. The number of passenger and cargo-boats surveyed during the year was 1,628 and 6,138, respectively, against 1,661 and 5,861 in 1886-87, and the number of manjees licensed was 9,204 against 8,986 in the preceding year.

17. The management of the Port Commissioners' tramway line, which was taken over by that body on the 1st April 1887, from the Eastern Bengal State Railway, was very satisfactory. The income, which amounted to Rs. 2,85,912, exceeded that of 1886-87 by Rs 1,15,761, and was higher than that of any previous year. There was a corresponding increase in the expenditure, which amounted to Rs. 1,77,885, or Rs. 51,236 in excess of the expenditure of the preceding year. This advance was due to the salaries of the station staff, to additional expenditure on account of working expenses, and to the haulage of the additional traffic brought to the line by the opening of the Jubilee Bridge.

18 The income on account of the Port approaches, which consisted principally of a contribution of Rs. 5,85,000 from other parts of the Port Trust accounts, amounted to Rs. 6,00,512, and the expenditure to Rs. 5,92,186, or

Rs. 1,26,905 above that of the previous year. The increase is attributed to extensive repairs to vessels, to a special contribution to the depreciation fund, to meet the cost of the new light vessel referred to in paragraph 12 of the Resolution on the Administration Report of the Commissioners for 1886-87, and to the replacement of anchors, cables, hawsers, buoys and moorings lost in the cyclone of the 25th May 1887, an interesting account of which is given in the report.

19. The Saugor Sands and the Eastern Sea Reef have extended one mile to the southward since the survey of 1880, but there has been no alteration in the general features of the Eastern Channel. The Gaspar channel has improved, there being 21 feet now on the bar against 20 feet last year. The Eden Channel continued unaltered until November 1887, when, on account of the extension of the Eastern Sands and of a small lump, the former tracks had to be given up and more westerly ones adopted. The junction of the Eastern and the Western Sands at the middle of March made matters worse, and since then the channel has had to be kept under observation daily, the buoys being moved as required. The bar to the eastward of the Eastern Auckland and Eden buoys is expected to be cut through, and a new channel will then be opened out The state of the bar is such as to cause anxiety, but the Lieutenant-Governor is confident that the Commissioners will do all that is possible to cope with the difficulties as they arise.

20. The navigable channels between Saugor and Diamond Harbour, the Eastern Channel, Channel Creek and the Brace Head Channel, were surveyed during the year, and several minor surveys were also made. The light-houses were kept in good condition. The Long Sand Light-ship, which broke adrift in the cyclone of the 25th May 1887, was replaced by the pilot brig *Coleroon* and later on by the *Foam*, and the Eastern Channel Light-ship, which was blown off the station, was towed back and placed in position. The refuge-houses were repaired and re-provisioned during the year.

21. The obstruction caused to navigation by the James and Mary shoal continues unabated. Three vessels of the British India Steam Navigation Company grounded on it. Two of them were lost, but the other was successfully floated off. There is a feeling among agents of steam-ships and others interested in the trade of the port, that the obstruction may to a certain extent be diminished by dredging or raking the shoal. With this object experiments were made some years ago, and information as to their nature and the results obtained has recently been placed at the disposal of the Conference of representatives of steam-ship owners. Those results were not such as to encourage hope of improvement being effected by such means, but the Lieutenant-Governor will be glad to learn whether the Commissioners propose to take any further steps in this matter.

22. The question of providing increased telegraphic facilities for the shipping was considered, but the Government of India was unable to entertain the scheme. The number of issues of the *Telegraph Gazette* has been increased since the beginning of the past year.

23. The question of railway communication between Calcutta and the Petroleum Wharf at Budge-Budge has now advanced to its final stage, and the Lieutenant Governor in sending the estimates to the Government of India has urged upon that Government the expediency of putting the works in hand at once.

24. The working of the Port Trust is now regulated by nine different Acts This has been productive of much inconvenience, and a Bill consolidating them has been prepared for introduction in the next session of the Bengal Council.

25. An admirable chart of the river Hooghly from Calcutta to Saugor Roads has been compiled by Lieutenant Petley, R.N., Deputy Conservator of the Port, from the latest surveys made up to the 31st March 1888. It shows on an enlarged scale the various anchorages, the new Docks at Kidderpore, and the Petroleum Wharf at Budge-Budge

26. The thanks of Government are due to the Commissioners for their successful management of the affairs of the Trust during the year.

By order of the Lieutenant-Governor of Bengal,

C. W. I. HARRISON, *Lieut.-Col.*, R.E.,

Offg. Joint-Secy. to the Govt. of Bengal,

P. W. Dept

RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE PORT OF CHITTAGONG FOR 1887-88.

No. 1261 Marine.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

RESOLUTION.

Dated Calcutta, the 17th August 1888.

READ—

The Report on the Administration of the Port of Chittagong for 1887-88.

The trade of the Port of Chittagong has improved, and the Lieutenant-Governor notices with satisfaction that the rice trade, a somewhat fluctuating one, which fell off considerably in 1886-87, had again increased during the year under review, and in quantity nearly reached the figures of 1885-86, though the value was nearly 9 lakhs less. The jute trade has increased largely both in quantity and value, and appears now to be firmly established.

2. The following statement shows the number and tonnage of esselsv which visited the port during the past two years:—

	1886-87.		1887-88.		INCREASE.		DECREASE.	
	Number.	Tonnage.	Number.	Tonnage.	Number.	Tonnage.	Number.	Tonnage.
European vessels trading with United Kingdom	30	49,880	29	48,548	......	......	1	1,332
Ditto in foreign trade	21	17,772	26	22,760	5	4,988	......	......
Ditto coasting trade	7	7,685	6	4,500	......	......	1	3,185
Chittagong vessels	41	5,628	48	6,583	7	955	......	......
Other native vessels	27	2,576	31	4,611	4	2,035	......	......
Naraingunge inland trade ...	598	78,548	668	88,757	70	10,209	......	......
Mail steamers	104	55,981	107	54,791	3	......	......	1,190
Trading steamers	33	20,064	24	21,533	......	1,469	9	......
Ballam boats	1,555	23,014	1,671	25,678	116	2,664	......	......
Total ...	2,416	259,148	2,610	275,761	194	16,613	......	......

3. The rise in the number and tonnage of vessels trading with Foreign ports was due to the increased exportation of jute and grain. Increased importation of jute accounts for the rise in the trade with Naraingunge.

4. The following statement gives the statistics of the principal articles of export and import during the past two years:—

	1886-87.		1887-88.		Increase in 1887-88.		Decrease in 1887-88.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Exports.	Tons.	Rs.	Tons.	Rs.	Tons.	Rs.	Tons.	Rs.
Grain ... { Foreign ports	13,606	9,40,693	32,262	21,67,353	18,656	12,26,660	......	......
Grain ... { Home ports	5,343	2,05,621	26,349	11,70,274	21,006	9,64,653	......	......
Total ...	18,949	11,46,314	58,611	33,37,627	39,662	21,91,813	......	......
Jute ... ... Cwt.	1,302,443	81,71,095	1,416,481	98,40,670	114,038	16,69,575	......	......
Tea ... ... lb.	1,037,180	5,82,162	1,126,536	5,97,871	89,356	15,709	......	......
Imports.								
Salt ... ... Tons.	12,884	2,40,302	12,690	2,20,145	......	......	194	20,157
Mineral oil ... ... Gals.	727,277	2,90,960	1,123,724	3,26,548	396,447	35,588	......	......

5. As already mentioned, there was a satisfactory increase in the rice trade. The exports, however, are not equal to those of 1885-86, but a very large quantity of rice has been exported since the close of the year, and it was anticipated that the season's exports would equal if they did not exceed those of that year.

6. The jute trade, which had declined both in quantity and value between 1882-83 and 1885-86, took a great spring forward in 1886-87 from 979,020 cwt. to 1,302,443 cwt., the value advancing from Rs. 54,70,413 to Rs. 81,71,095; the increments being 33 and 49 per cent. respectively. In 1887-88 there was a further satisfactory advance of nearly 9 per cent. in quantity and more than 20 per cent. in value.

7. The increase in the quantity of mineral oil is very large, and exceeds even the imports of 1884-85, the largest in any year up to date, though the increase in the value is comparatively small: the Commissioner of Chittagong ascribes this to the inferiority in quality; it is probably, however, due in a great measure to reduction in price.

8. The receipts of the Port and Pilotage Funds amounted, respectively, to Rs. 56,469 and Rs. 16,235, against Rs. 51,363 and Rs. 13 327 in the previous year. Port dues, mooring fees, and receipts on account of water-supply, mainly contributed to the increase in the receipts of the Port Fund.

9. The Port Fund and the pilotage charges amounted, respectively, to Rs. 52,147 and Rs. 15,514, against Rs. 28,110 and Rs. 16,333 in 1886-87. The Port Fund charges thus exceeded those of the previous year by Rs. 24,037. The rise was mainly under the head of Dockyard, Miscellaneous, and Public Works charges. The first was owing to the adjustment during the year of the cost of swinging moorings supplied to the Port in 1886: the second to the expenses of laying them being similarly adjusted in the current year; and the last to the excavation of the Moheskhally canal, which was transferred to the Port in January 1888. The decreases were chiefly on account of contingencies for vessels and boats, light-house stores, and repairs.

10. The Port and the Pilotage Funds were expected to close on the 31st March 1888 with a credit balance of Rs 71,406 and Rs. 1,487, respectively, against Rs. 71,086 and Rs. 994, the closing balances of the previous year. These figures, however, are liable to correction, as the accounts of the year have not yet been adjusted with the Accountant-General, Bengal.

11. Two vessels aggregating 221·5 tons were built during the year, against two of 217 tons in the year before. Jute-shippers have raised the freight from Naraingunge to Chittagong from 12 annas to Re. 1 a bale. It remains to be seen whether the higher rate will bring about an increase of the number of vessels engaged in the trade.

12. The jetty was kept in good order, and arrangements have been made for lighting the staircases. The depth of water at the head of the jetty at low tide, which increased in 1886-87 from 14 to 16 feet, was only 15 feet during the year under review. The moorings and buoys were kept in good condition.

13. The Kutubdia Light-house and the Norman's Point beacons were in good order. The question of improving the lighting of the approaches to the port is still under consideration.

14. There were five wrecks during the year. The ship *Earl of Jersey* was lost shortly after leaving the port through the incompetency of her master. The barque *Haddington* was lost by fire, the cause of which could not be discovered. The other three vessels were lost in the Megna, two being stranded and one taking fire. They were of small tonnage.

15. A Port Trust was, as stated in paragraph 11 of the Resolution on the Administration Report of the Port for 1886-87, constituted during the year, but the Act not having been brought into operation, the Trust had no legal status, and the appointments and elections were subsequently cancelled. The law came into force from the 25th of April 1888, and since the close of the year a Trust has been lawfully established.

16. The health of the Port was good, and there was no epidemic disease throughout the year.

By order of the Lieutenant-Governor of Bengal,

C. W. I. HARRISON, *Lieut-Col.*, R.E.,

Joint-Secretary to the Government of Bengal,

P. W. Dept.

REPORT ON THE STATE OF THE SALT MARKET FOR THE FIRST QUARTER OF 1888-89.

No. 649B, dated Calcutta, the 15th August 1888.

From—K. G. Gupta, Esq., Offg Secy. to the Board of Revenue, L. P.,

To—The Secretary to the Government of Bengal, Financial Department.

SALT.

F. M. Halliday, Esq

I am directed by the Board of Revenue to submit the following report on the state of the salt market for the first quarter of 1888-89, comprising the months of April, May, and June 1888.

2. The quantity of salt of every description cleared during the quarter under report amounted to 27,71,718 maunds 22 seers 4 chittacks, against 22,01,094 maunds 7 chittacks in the previous quarter, and 25,84,676 maunds 8 seers 12 chittacks in the corresponding quarter of the previous year; and the net amount of duty levied thereon was Rs. 60,81,419-2, against Rs. 42,45,508-4-0 in the previous quarter, and Rs. 49,02,270 in the corresponding quarter of the previous year.

3. The quantity of excise salt sold in Orissa during the quarter under review and the quantity which remained in store at the close of the quarter are shown in table I. The form of this table has been altered, as the returns submitted to the Board by the Commissioner of Salt Revenue, Madras, do not give details of each year's manufacture. The opening balance shown in the table below will not agree with the closing balance shown in table I of the last quarter's report. The difference is under reconciliation:—

TABLE I.

	Cuttack.			Pooree.			Balasore		
	Mds.	s.	c.	Mds.	s.	c.	Mds.	s.	c.
Balance at close of the last quarter ...	3,670	35	0	33,406	20	0	.. ...		
[illegible]ng the quarter ..	...			27,600	0	0	...		
Total .	3,670	35	0	61,006	20	0	......		
Sales during the quarter ...	629	30	0	24,368	20	0	......		
Wastage ...	..			761	5	0	...		
Total .	629	30	0	25,129	25	0	..		
Balance at close of the quarter .	3,041	5	0	35,876	35	0	..		

4. The above statement shows that the total sale of excise salt during the quarter under review amounted to 24,998 maunds 10 seers, against 41,745 maunds 15 seers in the previous quarter, and 54,509 maunds 10 seers in the corresponding quarter of the previous year.

5. The subjoined table shows in comparison the importations into the port of Calcutta and the total clearances of sea-imported salt during the quarter under review and the corresponding quarters of the previous two years:—

TABLE II.

	1886-87		1887-88		1888-89.	
	First quarter.		First quarter.		First quarter.	
	Imported	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Liverpool pungah	12,40,562	16,15,963	21,54,328	17,81,904	25,85,924	20,70,027
Foreign kurkutch .. .	11,00,837	5,59,309	[illegible]	5,81,375	5,15,375	4,79,964
Indian ditto	84,179	98,722	1,45,817	1,06,681		1,32,061
Total ..	24,25,578	22,73,994	27,29,394	24,69,960	31,01,299	26,82,052

6. The following are the details of the Indian kurkutch salt shown in the above table :—

TABLE III.

	1886-87.		1887-88.		1888-89.	
	First quarter.		First quarter.		First quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bombay	84,179	98,728	1,45,817	1,06,681	.....	1,22,961
Total ...	84,179	98,728	1,45,817	1,06,681	... ..	1,22,961

7. Table IV shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the results of the previous four quarters :—

TABLE IV.

WHERE STORED.	First quarter of 1887-88.	Second quarter of 1887-88.	Third quarter of 1887-88.	Fourth quarter of 1887-88.	First quarter of 1888-89.
	Mds.	Mds.	Mds.	Mds.	Mds.
Sulkea Government Golahs	8,07,700	7,86,071	9,86,779	10,36,591	8,94,651
Chittagong do. do.	63,223	1,22,105	1,68,566	95,487	71,969
Total ..	8,70,923	9,08,176	11,55,345	11,32,078	9,66,620

8. The despatches of salt from Calcutta by water and the three railways passing the several salt-pass stations into the interior of the country, both east and west of the river Hooghly, during the quarter under review, and the corresponding quarters of the previous two years are shewn in the table below :—

TABLE V.

PERIOD.	*Viâ* Balikhall.	*Viâ* Sankrail.	*Viâ* Gewakhally.	*Viâ* Kidderporo.	*Viâ* Balliaghatta.	*Viâ* Ruthtollah Ghât.	By the East Indian Railway.	By the Eastern Bengal and South-Eastern Railways or *viâ* Chitpore.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
First quarter of 1886-87 ..	1,71,994	1,78,257	88,582	82,087	2,26,553	1,61,017	10,11,617	1,55,979
Ditto of 1887-88	2,12,572	1,75,051	51,159	70,380	2,43,929	1,14,363	11,43,210	2,48,754
Ditto of 1888-89 .	1,47,781	1,85,097	51,418	81,477	2,81,859	6,709	11,34,184	3,84,512

9. The quantity of salt despatched by the East Indian Railway to stations beyond Buxar during the quarter under review amounted to 17,399 maunds 10 seers, as noted in the margin, against 28,271 maunds 10 seers in the previous quarter, and 50,524 maunds 20 seers in the corresponding quarter of the previous year.

	Mds.	Srs.
April	4,500	0
May	6,899	10
June	6,000	0
	17,399	10

10. The shipments of Liverpool salt for the port of Calcutta according to published market reports were as follows :—

				Tons.
April	...	...	...	30,870
May	...	...	...	36,150
June	...	...	...	35,250
		Total		1,02,270

No shipments were reported during the quarter under review for the port of Chittagong.

11. Table VI shews the market price per 100 maunds of Liverpool and other descriptions of salt at the close of each fortnight during the quarter as compared with those obtaining during the same period last year :—

TABLE VI.

Description of Salt.	Prices on the 15th April		Prices on the 30th April		Prices on the 15th May		Prices on the 31st May		Prices on the 15th June		Prices on the 30th June	
	1887.	1888.	1887.	1888.	1887.	1888.	1887.	1888.	1887.	1888.	1887.	1888.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Liverpool pungah	67	140	64	126	59	88	57	80	65	81	66	90
French kurkutch	47	72	49	72	53	72	53	72	53	70	56	70
Jedda ditto	46	71	46	71	52	71	54	71	..	63	.	55
Bombay ditto	50	87	50	90	50	60	55	65	55	69	58	90
Italian ditto	47	72	47	72	53	72	53	72	53	70	56	70
Muscat ditto	46	58	46	58	45	58	51	59	55	58	15	69
Rock	100	65	100	65	100	65	100	65	100	65	100	65

12. The following table shows the quantity of sea-imported salt admitted into bond, and cleared from bond and shipboard at Chittagong and Naraingunge, during the quarter under review and the corresponding quarter of 1887-88 :—

TABLE VII.

Port.	Description of Salt.	Admitted into bond.		Cleared.	
		First quarter of 1887-88.	First quarter of 1888-89.	First quarter of 1887-88.	First quarter of 1888-89.
		Mds. s. c.	Mds. s. c.	Mds. s. c.	Mds. s. c.
Chittagong	Liverpool pungah	5,400 0 0	43,040 0 0	43,746 33 0	60,648 20 0
	Jedda	27,422 0 0	.. .		.
	Hamburg kurkutch	.	... ..	16,458 20 0	.
Naraingunge	Liverpool pungah	.	.. ..		5,940 0 0
	Total .	32,822 0 0	43,040 0 0	60,205 13 0	66,588 20 0

No transactions in sea-imported salt have been reported for the quarter from the ports of Cuttack, Pooree, and Balasore.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 18th August 1888

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops
BENGAL.		*Western Districts.*		
BURDWAN DIVN.	1	Burdwan August 18, '88	3 21	Weather—continuously wet. All very fair, though agricultural operations are late. Prices stationary.
		Culna ...	5 99	
		Cutwa .	4 57	
		Ranigunge . .	4 95	
	2	Bankoora „ 18, '88	3 11	Weather—seasonable. There has been general rainfall in the district. Transplantation on high lands is still going on. Young rice plants and sugarcane are doing well. Indigo is being cut. Common rice sold at the Bankoora market at 21 seers per rupee
	3	Birbhum „ 18, '88	9 85	Weather—seasonable, rainy. Rain has been copious. Some rivers overflowed their banks, causing a slight damage to the crops. Transplantation going on
		Rampur Haut	17 34	
	4	Midnapur „ 19, '88	2 55	Weather—cool with frequent showers. Good rainfall throughout the district, though more is still wanted in Tumlook and Contai. All crops doing well. Sugarcane in Ghatal damaged by late drought.
	5	Hugli „ 18, '88	9 16	Weather—seasonable. Prospects of crops are now so far excellent.
		Serampur	6 06	
		Howrah „ 21, '88	4 97	Weather—seasonable. State and prospects of crops good.
		Ooloobaria .	7 71	
		Central Districts.		
PRESIDENCY DIVN.	6	24-Perghs. August 21, '88	6 32	Weather—seasonable and showery. Prospects of crops good. Transplantation continues. *Aus* in ear.
	7	Nuddea „ 18, '88	13·17	Weather—cool and rainy. *Aus* is being cut. *Amun* transplanting still going on. Prospects good. Indigo manufacture nearly finished. Sugarcane is fair.
		Kushtea . .	5 22	
		Meherpur	7 51	
		Chooadanga ...	9 65	
		Ranaghat	3 15	
	8	Khoolna „ 18, '88	6 02	Weather—close with occasional showers. State and prospects of crops generally good
	9	Jessore „ 18, '88	4 70	Weather—hot and rainy. Rivers rising. Rain has benefited standing crops. Prospects good
		Jhenidah ..	4 01	
		Magoora	4 13	
		Narail	3 80	
		Bongong	1·05	
	10	Moorshedabad „ 18, '88	6 06	Weather—overcast and rainy. *Aus* ripening and in some places being cut and threshed. Prospects of *amun* favourable.
		Lalbagh	5 37	
		Jangipore	6 58	
RAJSHAHYE DIVN.	11	Dinagepur „ 18, '88	3 16	Weather—cooler with easterly winds. Outturn of *aus dhan* not likely to exceed 8 annas. Late heavy rain has improved prospects of *haimanti*, but transplantation still backward.
		Thakurgaon .	3 59	
	12	Rajshahye „ 18, '88	3 60	Weather—hot and rainy. Transplantation of *amun* continues. The recent rain has benefited the standing crops. Prospects improved in thanah Singra. Jute and *aus* being reaped
		Nattore ...	6 60	
		Nowgong ..	2 34	
	13	Rungpur „ 18, '88	6 55	Weather—hot and cloudy; occasional rain. Prospects of crops improved. Jute and *aus* being cut.
		Nilphamari .	1 65	
		Kurigram ..	2 65	
		Gaibandha ..	3 67	
	14	Bogra „ 18, '88	3 44	Weather—seasonable, sunshine and rain alternating. Prospects of *amun* have greatly improved by the late rain, but the crop will be late.
		Sherpur ..	3 32	
		Naukhila	3 48	
	15	Pubna „ 18, '88	3 32	Weather—rainy. Rivers are rising fast. Prospects of crops good
		Serajgunge	3 58	
	16	Darjeeling „ 18, '88	3 77	Weather—uncertain and showery. Crops in the hills are being harvested. In the Terai transplantation of rice seedlings nearly completed. Prospects favourable as before.
	17	Julpigoree „ 18, '88	8 85	Weather—hot and rainy. Harvesting of *aus* continues. Transplantation of *haimanti* going on in the Sudder sub-division, but is stopped in parts of the Alipore sub-division for want of rain. Transplanted seedlings are said to be withering in many places.
		Eastern Districts.		
DACCA DIVN.	18	Dacca August 18, '88	5 50	Weather—cloudy and rainy. *Aus* paddy and jute being harvested. New jute coming into market. *Amun dhan* and sugarcane thriving. Prospects of crops continue favourable.
		Manickgunge ...	4 72	
		Munshigunge ...	4 29	
		Naraingunge	5·00	
	19	Furreedpur „ 18, '88	5 88	Weather—seasonable. Prospects of crops continue satisfactory
		Goalundo	5 26	
		Madaripur	4 86	
	20	Backergunge „ 17, '88	6 98	Weather—seasonable. Prospects of crops fair. Both *aus* and *amun* are being damaged by insects in places. *Aus* has also suffered from late flood tides. In Bhola the *amun* plants have suffered from excessive rain.
	21	Mymensingh „ 17, '88	4 60	Weather—rainy and cloudy. Prospects of crops good.
		Jamalpur .	6·38	
		Kishoregunge	0 76	
		Attia ...	1·16	
		Netrokona ...	3·55	

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
	Eastern Districts—concld.			
24	Chittagong	August 21, '88	12 65	Weather—seasonable. *Aus* crop somewhat damaged by late heavy rain steady.
	Noakholly	„ 17, '88	11·59	Weather—seasonable. *Aus* is being harvested. Transplantation of *amun* somewhat retarded by heavy rain. Fair weather wanted.
	Fenny		11 85	
	Tipperah	„ 16, '88	7 65	Weather—quite seasonable Very heavy rain has fallen. The prospects of the ensuing rice crop are excellent.
	Brahmanbariah		2·70	
	Chandpur		4 37	
25	Chittagong Hill Tracts.	„ 14, '88	13 22	Weather—seasonable, with heavy showers of almost unintermittent rain from last Saturday (11th) till to-day (14th) inclusive Transplanting of paddy in low lands by plough cultivators continues. *Jum* paddy progressing. Rain in abundance during this week.
	Hill Tipperah	„ 15, '88	1 69	Weather—moist. Transplantation of *amun* paddy still continues. Prospects of *jum* crops fair.
BEHAR.				
26	Patna	„ 18, '88	4·49	Weather—seasonable; rain almost every day. Transplantation of paddy progressing, but more rain wanted. Prospects of *bhadoi* good; but this crop in low and dearah lands has suffered. Prices of food-grains stationary.
	Behar	..	3·52	
	Dinapur	...	3 50	
27	Gya	„ 18, '88	12 86	Weather—cloudy and cool. Transplantation of paddy going on, but it is being much retarded for scarcity of rain in the Jehanabad sub-division only. Prospects of *bhadoi* good, but injured here and there owing to excessive rainfall in this week.
28	Shahabad	„ 18, '88	3·69	Weather—cloudy and rainy. Transplantation of paddy in progress, but more rain wanted in the Buxar and Bhabuah sub-divisions. Prospects of *bhadoi* crops continue good. Prices stationary.
	Buxar	...	0 21	
	Sasseram	..	4 81	
	Bhabuah		1·62	
	Durbhunga	„ 18, '88	0 67	Weather—cloudy. *Bhadoi* crop promising. Rain much wanted for transplantation of rice crop. Indigo manufacture going on. Prices rising.
	Mozufferpur	„ 18, '88	2 04	Weather—rainy, hot and cloudy. Transplantation of paddy in full progress, except in Sitamarhi, where scanty rainfall retards it. Prospects of *bhadoi* crops favourable, but in Sitamarhi rain wanted for these crops also.
	Hajipur		4 42	
	Sitamarhi	..	0 27	
31	Sarun	„ 18, '88	1·76	Weather—cloudy with occasional rain. Prospects of *bhadoi* continue favourable. Paddy transplantation in full swing. More rain wanted.
	Sewan	...	2 28	
	Gopalgunge	..	1 06	
32	Chumparun	„ 18 '88	2·59	Weather—hot and cloudy with occasional showers. Transplantation of paddy still being pushed on. Maize coming into ear. Prospects of all crops on the ground good. Rain still required in some parts.
	Bettiah		2 98	
33	Monghyr	„ 18, '88	2 60	Weather—seasonable. Showers every day in the week. Transplantation of winter rice going on, but more rain wanted in the Jamui sub-division. *Bhadoi* doing well. Ganges rising fast.
	Beguserai	...	0·46	
	Jamui		1·08	
34	Bhagulpur	„ 18, 88	4 34	Weather—seasonable. Prospects of crops good.
	Banka	.	5 2	
	Mudehpura		2 61	
	Soopole		1 31	
35	Purneah	„ 18, '88	2·69	Weather—bright with heavy showers. *Bhadoi* being cut. Transplantation of *agham* checked in some places for want of rain. Rain, however, has fallen recently.
	Kishengunge	...	2·18	
	Arrariah	..	1 68	
36	Maldah	„ 18, '88	9 05	Heavy rain during early part of week. The recent rain has benefited the *haimanta* rice crop. Transplanting in progress.
	Chanchal		3 56	
	Shibgunge		1 68	
	Gajol		6·64	
37	Sonthal Perghs.	„ 18, '88	13 22	Heavy rain throughout the district. Prospects of Indian-corn good. Transplanting of paddy being vigorously pushed on.
	Deoghur		5 20	
	Godda		8 93	
	Jamtara		7·14	
	Pakoor		4 96	
	Rajmehal		5 67	
ORISSA				
38	Cuttack	'88		Report not received.
	Pooree	„ 16, '88	3 37	Weather—hot and cloudy. Rainfall during the week has done good to the crops in general. More rain is wanted for puddling and transplantation. Common rice 18 seers 5 chittacks per rupee in the Sudder sub-division and 16 seers 8 chittacks in the Khoordah sub-division.
	Khoordah		2·44	
40	Balasore	„ 17, '88	0·35	Weather—fairly seasonable. There has been more rain in the district generally than at head-quarters. Prospects of rice crop favourable.
CHOTA NAGPORE.				
	South-West Frontier Agency.			
41	Hazaribagh	August 17, '88	6·55	Weather—seasonable. Very heavy rain latterly. Indian-corn has suffered from excessive rain. Other crops are doing well Transplanting of rice about three-fourths completed. Prices very high all over the district.
42	Lohardugga	„ 18, '88	7·81	Weather—rainy. 4½ inches of rain on 16th and 17th. Transplantation of paddy progressing well. Prospects of crops favourable. Prices stationary in Sudder, and slightly easier in Palamow.
	Palamow	...	4·61	
43	Singbhoom	„ 17, '88	3·79	Weather—seasonable. All crops doing well.
44	Manbhoom	„ 18, '88	7·45	Weather—seasonable. Sufficient rain has fallen throughout the district. A break appears to be setting in. Transplantation of paddy almost completed. Prospects of autumn crops excellent.
	Govindpur		3·35	

Published for general information

CALCUTTA, REVENUE DEPT.;
The 21st August 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic during the month of May 1888.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS. Rice and Paddy. Rice.	Paddy.*	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	FIBROUS PRODUCTS. Jute, raw.	Gunny bags.†	OIL-SEE[DS] Linseed.	M…
	Mds.	Mds.	Mds.	Mds.	Mds	Mds.	Mds.	Mds.	No.	Mds.	
BENGAL.											
Burdwan ...	68,710	8,273	73,881	1,327	2,025	69	77,302	......	13,215	4,132	
Beerbhoom ...	17,611	. .	17,611	300	1,684	......	19,595	......	5,285	2,379	
Midnapore ...	1,95,186	17,376	2,06,046	298	3,024	108	2,09,476	40	1,924	11,753	
Hooghly ...	37,844	4,637	40,679	6,248	6,302	519	53,738	2,613	894,795	5,541	
24-Pergunnahs ...	1,63,616	26,836	1,80,388	289	2,166	... .	1,82,843	1,151	807,652	2,504	
Nuddea ...	6,306	425	6,572	81,000	1,32,702	8,535	2,24,418	10,913	1,580	34,786	
Khulna ...	45,983	25,373	61,842	......	8,602	... ...	70,444	8,928	140	2,288	
Jessore ...	28,991	13,575	37,475	669	70,322	140	1,08,606	1,949	9,980	11,146	
Moorshedabad ...	448	......	448	10,203	4,847	1,116	16,614	... ..	875	2,3·5	
Dinagepore ...	13,623	......	13,623	200	625	......	14,448	......	40,620	351	
Rajshahye ...	1,809	. ..	1,809	3,324	5,044	......	10,177	472	.	4,725	
Rungpore ...	7	... ..	7	2,332	2	......	2,341	11,254	12,085	......	..
Bogra ...	40,187	......	40,187	... .	2	......	40,189	128	210	... .	..
Pubna ...	......	......	......	2,150	3,140	......	5,290	1,01,414	730,5?0	1,329	
Darjeeling ...	... ..	......	......	22,311	.. ..	... ..	22,311	... ..	16,205	.. ...	..
Julpigoree ...	......	......	... ..	... ..	. . ..	......	...	6,894	124,145	...	
Dacca ...	700	... ..	700	1,582	2,824	... ..	5,106	74,248	695	2,873	
Furreedpore ...	14,925	325	14,128	150	42,059	120	57,457	16,921	85	9,301	
Backergunge ...	2,09,188	1,350	2,10,032	......	4,597	......	2,14,629	350	......	200	
Mymensingh ...	... ..	......	. ....	......	1,382	......	1,382	1,609	......	... .	
Tipperah ...	6,000	... ..	6,000	......	... .	......	6,000	......	. ...	200	
Chittagong ...	816	... ..	816	......	... .	......	816	... ..	2,330	.. .	
Noakholly ...	7,583	......	7,583	... .	3,750	.. ...	11,333	......	......	1,555	
Total of Bengal ...	8,59,533	94,072	9,20,827	1,82,962	2,95,099	5,607	13,54,515	2,38,912	2,769,061	97,389	3
BEHAR.											
Patna ...	23	......	23	30,292	40,498	12,732	83,545	2,550	770	2,42,384	
Gya ...	......	......	......	7,245	. .	......	7,245	......	245	15,979	
Shahabad ...	.. ..	......	......	72,334	16,060	... ..	88,394	... ..	... ..	31,758	
Mozufferpore ...	......	......	......	. ..	2,358	559	2,917	......	... .	10,157	
Durbhunga ...	12	...	12	2,271	4,244	... .	6,527	......	915	42,2 6	
Sarun ...	.... .	......	......	.. .	......	......	......	. ...	1,085	2,1 2	
Chumparun ...	5	... .	5	3,499	......	... ..	3,504	......	165	15,729	
Monghyr ...	......	... ..	......	65,001	17,218	310	82,529	... ..	910	12,608	
Bhagulpore ...	216	......	2 6	95,866	6,614	12,800	1,15,686	......	... ..	12,860	
Purneah ...	482	......	482	4,315	2,234	......	7,031	......	.. .	888	
Maldah ...	......	......	... ..	1,192	502	10	1,704	.....	...	100	
Sonthal Pergunnahs.	429	... ..	429	1,35,874	24,343	1,618	1,62,284	......	770	19,820	
Total of Behar ...	1,167	... .	1,167	4,17,889	1,14,101	28,089	5,61,246	2,550	4,830	4,06,651	1
ORISSA.											
Cuttack ...	297	.. ...	297	......	......	......	297	... ..	.. ...	......	..
Balasore ...	30,277	7,631	35,046	1,829	137	......	37,012	... ..	3,750	......	...
Total of Orissa ...	30,574	7,631	35,343	1,829	137	... ..	37,309	.. ...	3,750	......	..
CHOTA NAGPORE.											
Hazaribagh ...	......	......	......	......	......	......	......	......	915	888	...
Manbhoom ...	......	.....	......	......	. ....	......	.... .	. ...	140	......	...
Total of Chota Nagpore.	... .	......	.. ..	......	......	......	.. ..	......	1,085	888	...
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	8,91,274	1,05,703	9,57,337	5,52,700	4,09,337	33,696	19,53,070	2,41,462	2,778,726	5,04,027	49
OTHER PROVINCES.											
Assam ...	......	.... .	. . .	....	371	......	371	147	......	19,654	1?
North-Western Provinces and Oudh.	......	......	......	4,30,691	20,008	7,518	4,58,217	. ....	1,120	4,38,074	1,1
Punjab ...	3	......	3	301	......	.... .	304	......	35	. . ..	4
Central Provinces	......	......	......	28,621	......	......	28,621	......	.. ..	......	
Rajputana States	.....	... ..	. ....	144	......	... ..	144	......	.	682	
Nepal ...	......	... ..	......	581	... ..	... ..	581	.. .	..	.... .	...
Bombay ...	......	......	......	......	......	......	......	......	......	......	...
Madras ...	......	......	......	......	... .	......	......	......	......	......	...
British Burmah ...	......	... ..	. . ..	......	41	......	41	3	... ..	.. . .	...
Sind ...	......	. ...	......	......	....	......	. ....	.... .	.. ..	... ..	
Other places ...	......	.	......	. .	110	15	125	5	... .	.	...
Grand Total of Imports in May 1888	8,91,277	1,05,703	9,57,340	10,13,038	4,29,867	41,229	24,11,474	2,41,617	2,779,881	[illegible]	1,36
Grand Total of Imports in May 1887	6,62,159	1,13,700	7,33,221	10,71,846	4,30,112	34,473	31,75,653	2,52,551	2,188,986	7,46,914	2,10

* One maund of paddy is equivalent to 25 seers of rice. | † Exclusive of bags obtain[ed …]

The Sea-borne Trade of Calcutta in these Staples during the month of M[ay …]

EXPORTED FROM CALCUTTA—	Rice.	Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny bags.	Linseed.	M…
To Indian ports, viz.—											
Bombay ...	1,94,726	30	1,94,745	......	21,630	150	2,16,545	.... .	1,874,600	......	...
Other ports in Bombay ...	1,278	3,846	3,682	......	.. ...	... .	3,682	. ..	... ..	......	...
Madras ...	423	......	423	502	30,784	6,137	37,845	5,763	110,984	... ..	...
Other ports in Madras ...	84,589	......	84,589	......	2,330	... .	86,919	... .	117,600	......	
British Burmah ...	9,554	......	9,554	19,536	23,700	321	53,111	.... .	191,200	5	
Other Indian ports ...	12	......	12	......	1,490	......	1,502	......	34,275	......	....
Pondicherry ...	......	......	......	182	......	80	262	......	50,600	....	....
Total of Inter-portal trade ...	2,90,581	3,876	2,93,004	20,220	79,954	6,688	3,99,866	5,763	2,388,159	5	
To Foreign ports— United Kingdom	50,591	......	50,591	5,49,095	1,34,342	......	7,34,028	67,997	207,300	7,29,414	66,
Other Foreign ports ...	6,81,669	5,798	6,85,293	1,42,990	33,410	9,042	8,70,735	30,553	8,259,829	12,705	1,
Total of Foreign trade ...	7,32,260	5,798	7,35,884	6,92,085	1,67,752	9,042	16,04,763	98,550	8,467,129	7,42,119	68,
Grand Total of Exports in May 1888	10,22,841	9,674	10,28,888	7,12,305	2,47,706	15,730	20,04,629	1,04,313	10,855,288	7,42,124	68,
Grand Total of Exports in May 1887	4,95,374	15,723	5,05,201	12,17,040	1,78,534	26,958	19,18,730	3,10,469	3,054,036	12,58,238	1,70,

The followi[ng …]

SPECIFICATION OF ROUTES.

By country boats
,, river steamers
,, rail { East India Railway. / Eastern Beng[al] State Railwa[y]
,, road ... ...
,, sea ... ...

Grand total of Imports in May { 1888 / 1887

The follow[ing …]

Whither exported.

BENGAL.

Burdwan ...
Beerbhoom ...
Midnapore ...
Hooghly ...
24-Pergunnahs ...
Nuddea ...
Khulna ...
Jessore ...
Moorshedabad ...
Dinagepore ...
Rajshahye ...
Rungpore ...
Bogra ...
Pubna ...
Darjeeling ...
Julpigoree ...
Dacca ...
Furreedpore ...
Backergunge ...
Mymensingh ...
Tipperah ...
Chittagong ...
Noakholly ...

Total of Bengal ...

BEHAR.

Patna ...
Gya ...
Shahabad ...
Mozufferpore ...
Durbhunga ...
Sarun ...
Chumparun ...
Monghyr ...
Bhagulpore ...
Purneah ...
Maldah ...
Sonthal Pergunnahs

Total of Behar ...

ORISSA

Balasore ...

Total of Orissa ...

The following Sta[tement …]

SPECIF[ICATION …]

By country boats ..
,, river steamers .
,, rail ... { East Indian / Eastern Be[ngal]
,, road ... .
,, sea ... .

Grand Total o[f …]

STATISTICAL …

The 18th …

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of May 1888.

IMPORTS INTO CALCUTTA.

Specification of Routes.	Food-grains. Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Fibrous Products. Jute, raw.	Gunny bags.	Oilseeds. Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar. Drained.	Un-drained.	Tobacco. Bidpath.	Other kinds.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	6,22,637	96,774	81,003	1,71,124	4,728	48,215	1,776,016	53,505	13,821		3,434	320	9,156	26,479	...	11,400
" river steamers ..	10,826	80	14,880	3,727	33	1,40,810		18,986	21,827	8,328	1,358	137	3,731	73	1,596	3,947
" rail { East Indian Railway	73,874	1,988	8,60,512	1,33,484	35,564	.... ..	34,725	8,49,368	1,34,878	1,093	22,317	897	144	2,944	...	4,220
" rail { Eastern Bengal State Railway.	85,759	.... ..	49,014	1,20,301	889	62,388	913,240	39,707	15,738	23,001	10,019	532	.. ..	55,101	15,267	26,612
" road	72,439	4,932	301	943	....	106	31,800	1,871	.... ..	.... ..	1,124	...	9,108	25,376	...	9,303
" sea	25,742	1,031	1,829	248	15	8	6,100	...	..	263	16,321	15	407	.. ..	.	308
Grand total of Imports in May { 1888 ...	8,91,277	1,05,703	10,13,038	4,29,867	41,229	2,41,017	2,779,881	9,63,337	1,86,264	33,285	54,603	1,910	22,686	1,09,973	16,863	55,796
Grand total of Imports in May { 1887 ...	6,62,159	1,13,700	19,71,846	4,36,112	34,473	2,52,551	2,188,286	7,46,914	2,10,877	22,617	92,216	1,916	61,811	1,24,710	4,380	50,106

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of May 1888.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece goods. European.	Indian.	Cotton twist. European.	Indian.	Salt.	Gunny bags.
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
Burdwan ...	2,74,121	660	427	978	30,306	60,548
Beerbhoom ..	1,91,205	3,190	107	688	16,929	35,770
Midnapore ..	2,88,198	125	1,716	.. ..	70,160	8,167
Hooghly ...	98,149	1,405	516	....	3,267	1,42,831
24-Pergunnahs ...	1,53,318	9,480	65	. .	12,843	1,11,580
Nuddea ...	3,21,572		1,986	.....	27,810	56,019
Khulna ...	99,513	.... .	125	..	10,149	6,020
Jessore ...	1,12,403		1,177		20,980	16,260
Moorshedabad	1,10,670	350	32	15	7,601	8,220
Dinagepore ..	1,85,897	. ..	.....	152	13,866	3,955
Rajshahye ..	3,31,002		8	141	13,507	7,420
Rungpore ..	3,85,686	. . .	37	488	23,220	1,170
Bogra ..	1,04,181	. .	5	40	10,445	20,125
Pubna ..	2,66,712	. .. ..	283	74	48,715	11,370
Darjeeling ..	1,09,550	... ..	7	37	12,228	.. .
Julpigoree .	1,35,198	. ..	30	177	11,542	175
Dacca ..	9,50,164	.	1,160	659	71,700	18,515
Furreedpore ...	3,49,083	110	659		49,307	14,745
Backergunge ...	1,07,711	.	1,176	... ..	37,100	3,983
Mymensingh ...	1,22,661	..	. ..	20	6,600	1,750
Tipperah ...		. ..	..	... ..	4,475	.
Chittagong ...	1,28,038	.	376	. .	.. .	2,575
Noakholly ...	425	.	. ..	. .	4,150	.. .
Total of Bengal ..	50,73,817	15,306	9,982	3,360	5,16,430	5,30,438
BEHAR.						
Patna ...	3,61,368	880	147	188	52,422	3,07,195
Gya ...	1,92,654		12	383	16,038	14,245
Shahabad ..	6,14,179	5,720	5	312	16,038	79,533
Mozufferpore ...	2,28,090	3,300	. . .	81	11,584	10,115
Durbhunga	5,86,718	8,030	10	738	13,958	64,850
Sarun ...	5,38,445		5	75	15,444	31,150
Chumparun ...	4,04,523	7,700	17	87	28,809	18,200
Monghyr ...	2,81,957	410	29	582	8,910	79,380
Bhaugulpore ...	2,65,203	... ..	108	104	19,216	82,800
Purneah ..	3,45,420	220	46	838	966	6,615
Maldah	... .	...	...	..	3,025	1,000
Sonthal Pergunnahs	3,76,866	1,540	119	709	29,306	1,25,895
Total of Behar ...	41,77,152	27,830	498	4,152	2,44,713	8,21,000
ORISSA						
Balasore ..	1,43,200	.	3,232	135	25,079	31,700
Total of Orissa ...	1,43,200	.. ..	3,232	135	25,079	31,700

Whither exported.	Cotton piece-goods. European.	Indian.	Cotton twist. European.	Indian.	Salt.	Gunny bags.
CHOTA NAGPORE.	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Hazaribagh	37,926	. ..	12	161	10,098	1,855
Manbhoom	53,235	..	26	1,123	9,801	4,725
Total of Chota Nagpore ..	91,161	. .	38	1,284	19,899	6,580
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	94,85,350	43,136	13,750	8,931	8,06,121	13,80,718
OTHER PROVINCES.						
Assam	2,78,775	......	38	97	47,590	840
North-Western Provinces and Oudh	43,85,430	3,740	4,698	538	32,070	8,31,855
Punjab	11,29,149	9,00	688	......	... .	3,97,930
Central Provinces	58,779	330	190	3	. . .	3,21,505
Rajputana States	27,972	220	84	.... .	... ..	14,525
Nepal	......	. . ..	... .	... ..	... ..	12,670
Nizam's Territory	441	... ..	... .	. .	... ..	... ..
Bombay	615	2,860	..	... .	... .	18,74,000
Madras	93,105	... ..	1,367	114	. .	2,37,584
Pondicherry	..	...	.. . .	..... .	... ..	50,500
British Burmah	2,14,478	110	550	3,357	......	1,91,200
Sind	189	......	......	. .	... ..	. .. ..
Other places	15,657	995	10	6,699	... ..	84,67,129
Grand Total of Exports in May } 1888 ...	1,56,89,940	52,881	21,373	19,739	8,85,781	13,791,576
Grand Total of Exports in May } 1887 ...	1,33,27,108	64,340	20,247	18,048	7,44,361	11,833,347

The Sea-borne Trade of Calcutta in these Staples during the month of May 1888 *was as follows:—*

	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
IMPORTED INTO CALCUTTA— From Foreign Ports—						
United Kingdom	1,06,75,161	... ..	7,931	... ..	7,68,285	.....
Other Foreign ports ...	96,037	.... .	8,757	... .	2,61,243	... ..
Total of Foreign Trade ...	1,07,71,198	......	16,688	......	10,29,528	. . ..
From Indian Ports—						
Bombay	40,837	1,33,941	......	3,990	46,365	... ..
Other ports in Bombay ..	... .	11,850	... ..	... ..	......	... ..
Madras	2,238	.. .	.. ..	369	... ..	..... .
Other ports in Madras ...	324	11,682	... ..	... ..	......	... ..
British Burmah ..	2,790	500	......	......	......	... ..
Other Indian ports ..	.. .	... ..	. . ..	... ..	......	6,100
Total of Interportal Trade ..	46,189	1,57,973	......	4,359	46,365	6,100
Grand Total of Imports in May { 1888 .	1,08,17,387	1,57,973	16,688	4,359	10,75,893	6,100
Grand Total of Imports in May { 1887 ..	1,04,33,123	1,71,647	14,041	4,005	9,33,856	1,68,050

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of May 1888.

Specification of Routes.	Cotton piece-goods. European.	Indian.	Cotton twist. European.	Indian.	Salt.	Gunny bags.
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats	2,67,281	1,070	1,196	......	2,28,501	240,101
" river steamers	6,68,082	.... .	1,114	612	88,565	10,042
" rail ... { East Indian Railway	1,04,29,902	40,150	6,906	7,558	3,61,099	2,538,475
" rail ... { Eastern Bengal State Railway ...	36,13,050	110	6,205	1,264	1,80,750	138,880
" road	1,76,247	9,946	358	.. ...	4,462	13,190
" sea	5,04,778	1,105	5,535	10,305	22,404	10,855,288
Grand Total of Exports in May ... { 1888 ...	1,56,89,940	52,881	21,373	19,739	8,85,781	13,791,576
Grand Total of Exports in May ... { 1887 ...	1,33,27,108	64,340	20,247	18,048	7,44,361	11,833,347

STATISTICAL DEPARTMENT,
The 18th August 1888.

H. J. S. COTTON,
Offg. Secretary to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH AUGUST 1888.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	WHEAT. Present return.	WHEAT. Next preceding return.	WHEAT. Corresponding return of last year.	BARLEY. Present return.	BARLEY. Next preceding return.	BARLEY. Corresponding return of last year.	RICE, BEST SORT. Present return.	RICE, BEST SORT. Next preceding return.	RICE, BEST SORT. Corresponding return of last year.	RICE, COMMON. Present return.	RICE, COMMON. Next preceding return.	RICE, COMMON. Corresponding return of last year.	JOWAR OR CHOLUM. (*Sorghum Vulgare.*) Present return.	JOWAR OR CHOLUM. Next preceding return.	JOWAR OR CHOLUM. Corresponding return of last year.
	BENGAL.															
	Western Districts.															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ..	12 8	14 8	15 0		No sale		15 0	15 0	15 0	20 4	20 4	22 8	.	...	...
2	Bankoora ...	13 8	13 8	13 8	15 0	16 0	20 0	17 0	16 4	17 0	20 0	19 0	22 6⅓		...	...
3	Beerbhoom ...	13 8	15 0	16 8	..	..		15 0	15 0	17 4	18 12	18 12	22 8	...	..	...
4	Midnapore ...	13 5	13 5	13 0	40 0	40 0	...	16 0	16 0	13 0	22 0	.8 0	23 0	..	.	...
5	Hooghly ..	14 0	14 0	14 0	...	...	..	10 0	10 0	10 0	18 0	18 0	17 0	.	.	..
	Howrah ..	Not	available.		...	..	...	13 0	13 4	13 4	19 0	19 0	18 8	.	.	..
	Central Districts.															
	Calcutta ..	13 2	13 4	14 4	19 1	19 12	20 0	11 5	11 11	8 12	17 8	16 14	16 4	17 12	17 14	19 12
6	24-Pergunnahs	14 0	14 0	14 0	20 0	21 8	26 8	8 0	8 0	8 0	18 0	18 0	16 13	.	...	...
7	Nuddea ...	14 14	16 0	16 0	26 10½	26 1(½	.2 0	14 8	14 8	15 4	17 8	17 8	20 4	...	..	...
8	Khoolna ..	...	...	...	...	...	...	16 0	18 5	17 0	19 8	21 0	20 0	...	...	...
9	Jessore ...	15 0	16 0	16 0	...	...	..	16 0	16 0	16 0	21 0	21 0	21 4	...		...
10	Moorshedabad	15 0	15 0	15 0	...	..	...	15 0	15 0	15 0	19 0	19 0	20 0	...	.	...
11	Dinagepore ..	12 0	12 0	12 8	13 0	13 0	22 8	16 0	16 0	15 8	21 12	21 12	19 8	...	...	...
12	Rajshahye ...	16 8	18 0	16 8	45 0	45 0	45 0	15 12	16 8	15 12	19 8	19 8	18 12	...	..	...
13	Rungpore ..	17 12	17 12	18 12	...	...	...	13 0	13 4	14 8	20 0	20 0	17 12	...	...	...
14	Bogra ..	16 8	15 12	17 4	...	..	...	13 8	15 12	15 0	21 0	22 8	22 8	..	...	...
15	Pubna ...	18 12	18 0	18 0	...	...	...	8 0	8 4	8 0	19 8	21 0	21 0	.	..	...
16	Darjeeling ...	10 0	10 0	9 0	10 0	10 0	13 0	5 0	5 0	5 0	14 0	14 0	13 0	..	...	...
17	Julpigoree ...	13 0	13 0	12 0	20 0	20 0	20 0	13 0	13 0	13 0	20 0	20 0	2) 0	..	..	...
	Eastern Districts.															
18	Dacca* ...	..	..	...	..	...	...	...	..	...		...	...	...	...	...
19	Furreedpore ...	18 0	20 0	20 0	30 0	30 0	26 0	15 0	15 0	18 0	20 0	20 0	22 0	...	...	...
20	Backergunge ...	...	...	...	...	...	...	16 0	16 0	16 0	18 10	18 13	13 0	...	...	...
21	Mymensingh ...	12 0	12 0	12 8	...	...	...	13 4	15 0	13 5	19 0	18 12	17 0	...	...	...

* Return not received.

A In sub-divisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 10 seers 6 chittacks, and Raneegunge 11 seers.
B At Rampore Haut retail price of salt 11¼ seers per rupee.
C In sub-divisions retail prices of salt per rupee are :—Ghattal 11¼ seers, Tumlook 8 seers, and Contai 9½ seers.
D In sub-divisions retail prices of salt per rupee are :—Seramporo 10¼ seers and Johanabad 10¾ seers.
D1 In sub-divisions retail prices of salt per rupee are :—Baraset and Basirhat 9 seers, Diamond Harbour (at Magrahat) 8 seers, Barrackpore 9½ seers, and Dum-Dum 10 seers.
E In sub-divisions retail prices of salt per rupee are :—Kooshtea and Chooadanga 10 seers, Meherpore 10½ seers, and Ranaghat 9½ seers.
F In sub-divisions retail prices of salt per rupee are :—Satkhira 9 seers 2½ chittacks and Bagirhat 8 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 15th August 1888.

INDIAN-CORN OR MAIZE (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	ARHAR OR THUR CADJAN PEA (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year	FIREWOOD. Present return.	Next preceding return	Corresponding return of last year.	SALT. Present return.	Next preceding return	Corresponding return of last year.	WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT. Present return.	Next preceding return.	Corresponding return of last year.	DISTRICTS.
															BENGAL
															Western Districts.
S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch.	S. Ch	Ch. S	S. Ch	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	No sale		23 8	23 0	29 0	120 0	120 0	120 0	A 10 14½	10 14	14 0	3 8 6	3 9 0	2 13 3	Burdwan.
23 0	26 0	32 0	20 0	21 8	20 0	280 0	280 0	280 0	10 0	10 0	2 0	...	......	3 3 0	Bankoora
...	...	.	14 0	15 0	15 0	160 0	160 0	160 0	B 10 0	10 0	12 12	3 13 0	3 13 0	3 0 0	Beerbhoom.
...	...	.	14 6	14 0	13 0	120 0	120 0	155 0	C 10 8	10 8	13 0	3 12 0	3 12 0	3 1 [illegible]	Midnapore.
...	...	..	13 0	13 0	13 0	120 0	120 0	120 0	D 9 0	9 0	13 8	4 6 0	4 6 0	2 14 0	Hooghly
...	.	.	13 4	13 6	14 8	100 0	100 0	100 0	10 0	10 0	12 13	3 10 0	3 10 0	2 14 0	Howrah.
															Central Districts.
17 8	17 9	17 8	18 11	19 0	18 0	95 0	95 0	80 0	10 10	10 10	13 0	3 7 6	3 7 8	3 0 0	Calcutta.
...		26 8	19 0	19 0	19 0	100 0	100 0	90 0	D1 10 8	10 8	12 8	3 7 6	3 8 0	2 15 6	24 Pergunnahs.
..		...	20 0	20 0	20 0		.		E 9 2	9 13	11 10	4 0 0	3 12 0	3 0 0	Nuddea
..		.				160 0	140 0	160 0	F 9 0	10 0	10 8	.	. .	3 12 0	Khoolna
..		..	22 0	23 0	18 0	100 0	100 0	100 0	G 10 6	10 8	10 12	3 14 0	3 14 0	3 2 0	Jessore
...		10 0	20 0	0 0	20 0	200 0	200 0	130 0	H 10 8	10 8	12 0	3 12 0	3 12 0	3 5 0	Moorshedabad.
...	.	.	12 0	13 0	11 0	160	140 0	160 0	I 10 0	10 0	12 8	3 14 0	3 14 0	3 2 0	Dinagepore
...	...	..	16 3	15 4	16 0	240 0	240 0	240 0	J 9 12	9 12	12 0	3 13 4	3 13 4	3 1 3	Rajshahye
..	..	..	10 0	10 0	8 10	120 0	120 0	120 0	K 10 0	10 0	10 5	.	..	3 8 0	Rungpore
...	...	..	...	..		90 0	90 0	90 0	9 12	9 12	12 0	4 0 0	4 0 0	3 2 8	Bogra
	..	.	34 0	24 0	18 12	200 0	200 0	200 0	L 10 0	10 0	12 0	.		3 5 0	Pubna
20 0	20 0	16 0	8 0	8 0	8 0	120 0	120 0	120 0	M 8 0	8 0	9 0	..	.	4 0 0	Darjeeling
16 0	16 0	20 0	11 0	11 0	12 0	128 0	128 0	128 0	N 9 0	9 0	11 0	4 1 0	4 1 0	3 6 0	Julpigoree
															Eastern Districts.
.	..	...	..	...	...	..			..		...	...	.	...	Dacca.
...	...	...	..		20 0	120	120 0	160 0	10 6	9 0	12 0	3 14 0	4 5 0	3 1 0	Furreedpore
...	...	...	12 5	12 5	12 0	120 0	120 0	120 0	O 10 0	10 10	12 0	...	3 12 0	3 4 0	Backergunge
...	...	.	11 12	20 0	12 8	..	.	.	P 9 8	9 13	12 0	4 0 0	4 0 0	3 4 0	Mymensingh

G In sub-divisions retail prices of salt per rupee are:—Jhenida and Magura 9 seers, Narail 7½ seers, and Bongong 10 seers.
H In Lalbagh, Kandi and Jungipore sub-divisions retail price of salt 10 seers per rupee
I At Thakurgaon retail price of salt 8 seers per rupee
J In sub-divisions retail prices of salt per rupee are —Nattore 9¾ seers and Nowgong 9 seers 9 chittacks
K In sub-divisions retail prices of salt per rupee are:—Nilphamari 10 seers, Gaibanda 7½ seers, and Kurigram 9 seers.
L At Serajgunge retail price of salt 10½ seers per rupee.
M Retail price of salt at Silliguri 9 seers per rupee.
N Retail price of salt at Fallacutta in the Alipore sub-division 8 seers per rupee.
O In sub-divisions retail prices of salt per rupee are:—Patuakhali 8 seers and Bhola 10½ seers.
P In sub-divisions retail prices of salt per rupee are.—Kishoregunge, Jamalpore and Sherepore 8 seers, Attea 10 seers, and Netrokona 9 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

Number	DISTRICTS	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (*Sorghum Vulgare.*) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	Eastern Districts—concluded	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch.	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch
2	Chittagong	10 0	11 8	10 0	.	..	..	13 0	13 0	12 0	19 0	18 5	16 13		..	..
3	Noakholly	...	...	...	..		.	18 0	18 0	9 0	20 0	20 0	21 0	.	...	...
4	Tipperah	12 8	12 8	12 0	.	.	.	17 8	17 8	18 7	22 0	22 0	18 13½		..	.
5	Chittagong Hill Tracts *	..	.	.	...	..	..	...				..		.	.	..
	Hill Tipperah ..	8 0	8 0	12 0	...	...	..	12 0	12 0	10 0	22 0	22 0	16 0	.	..	
	BEHAR.															
6	Patna	18 8	19 8	19 0	24 0	24 0	28 0	11 0	13 8	11 8	17 8	19 3	21 0	..	...	26 0
7	Gya ..	16 8	16 8	16 0	21 0	21 0	29 0	11 0	11 0	9 8	15 0	16 0	18 8	...	...	...
8	Shahabad	16 8	17 0	16 0	30 0	23 8	26 0	9 0	10 0	9 0	16 0	15 8	16 0	..	..	..
9	Durbhunga	15 12	16 13	9 12	25 4	25 0	30 12	13 4	14 8	12 0	15 4	19 0	17 3	...	...	...
0	Mozufferpore	16 0	16 0	20 0	25 0	25 0	30 0	12 0	12 0	12 0	16 0	16 0	19 0	..	...	...
1	Sarun	16 8	17 0	15 0	22 0	22 12	27 0	9 0	9 8	8 4	18 0	18 12	20 8	...	...	...
2	Chumparun	17 0	17 0	20 0	26 0	27 0	36 0	8 0	8 0	7 8	18 0	16 0	16 0	..	.	..
3	Monghyr ...	17 4	17 14	18 15	21 0	22 4	33 8	13 0	13 1	13 10	14 10	15 12	17 5	..	...	
4	Bhagulpore	16 12	17 0	19 4	21 12	22 11	32 12	13 14	13 14	16 6	16 12	16 6	18 15	..	...	...
5	Purneah ...	16 0	16 0	16 0				16 0	16 0	16 0	20 0	20 0	17 0	...	...	...
6	Maldah	17 4	18 0	17 0	...	...	...	13 5	13 0	13 0	19 0	19 0	12 0	...	...	...
7	Sonthal Perghs.	12 0	13 0	13 4	...	...	...	14 0	15 0	16 0	17 0	17 0	25 0	..	...	...
	ORISSA.															
8	Cuttack	15 12	15 12	15 12	.	..	...	10 8	10 8	11 13	17 1†	17 1	18 6	.	...	...
9	Pooree	13 2	11 13	10 8	...	...	...	11 13	11 13	13 2	17 1‡	18 6	22 5	...	...	
0	Balasore ..	13 0	14 0	13 0	13 0	13 0	13 0	13 0	13 0	15 0	22 0	21 6	25 0	..	...	
	CHOTA NAGPORE. *South-West Frontier Agency*															
11	Hazaribagh ...	13 0	13 3	17 0	14 0	16 0	17 0	7 0	7 0	9 0	12 12	13 8	16 0	Not procurable.		
12	Lohardugga ...	11 0	12 8	20 0	Not available		24 0	13 0	15 0	16 0	15 0	16 0	20 0	...	...	...
13	Singbhoom ...	12 0	12 0	20 0	16 0	16 0	22 0	12 0	12 0	20 0	18 0	16 0	24 0	...	...	...
14	Manbhoom ...	12 8	12 4	17 0	30 0	...	...	13 0	12 0	18 0	16 0	14 8	26 0	...	...	...

* Return not received.
† Common rice at Jajpore 21 seers and Kendrapara 23 seers 10 chittacks per rupee.
‡ Khoordah return not received.
Q At Cox's Bazar retail price of salt 8 seers per rupee.
R At Panchgachia in the Fenny sub-division retail price of salt 8 seers per rupee.
S In sub-divisions retail prices of salt per rupee are :—Buxar 10½ seers and Sasseram 10 seers.
T In sub-divisions retail prices of salt per rupee are :—Tajpore 10 seers and Madhubani 9 seers.

CALCUTTA,
The 15th August 1888.

Station Bazars of the Districts of Bengal on the 15th August 1888—(concluded).

Indian-corn or Maize. (*Zea Mays*).			Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Eastern Districts*—concluded.
...	...	...	9 0	10 0	8 0	110	110 0	80 0	Q 9 0	9 0	8 0	3 14 0	3 14 0	4 4 0	Chittagong.
...	...	..	...	...	...	..	.	...	R 8 0	8 0	9 0	4 8 0	4 8 0	3 13 0	Noakholly.
...	...	...	10 0	10 0	0 14	...	..	...	8 0	8 0	11 8	4 10 0	4 10 0	3 6 0	Tipperah.
...	.	...	..	...	.	...	..	...	... ..	. ..	.. ...	... .	... .	......	Chittagong Hill Tracts.
...	...	...	12 0	12 0	16 0	..	...	...	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
															BEHAR.
	...	33 0	26 0	27 0	26 0	160 0	180 0	120 0	10 0	10 0	11 12	3 10 0	3 10 0	3 1 6	Patna.
...	...	...	21 8	21 8	22 0	200 0	160 0	150 0	9 8	9 0	11 0	4 4 0	4 4 0	3 5 0	Gya.
...	...	...	14 12	16 0	16 0	120 0	140 0	120 0	S 10 0	10 0	12 8	......	......	3 3 0	Shahabad.
23 0	...	33 0	24 12	24 8	23 0	160 0	160 0	176 0	T 10 0	10 0	12 0	3 10 0	3 10 0	3 0 0	Durbhunga.
24 0	25 0	24 0	27 0	27 0	21 0	160 0	160 0	120 0	U 10 0	10 0	13 0	3 12 0	3 12 0	3 4 0	Mozufferpore.
18 0 (new)	22 0	29 0	24 4	24 4	26 8	160 0	160 0	160 0	10 4	10 4	12 0	3 12 6	3 12 6	3 2 0	Sarun.
26 0	25 0	32 0	28 0	28 0	...	160 0	160 0	.	V 10 0	10 0	12 0	3 12 0	3 14 0	3 4 0	Chumparun.
26 4	16 12	35 10	23 2	24 2	24 2	126 0	126 0	126 0	W 10 8	10 8	13 2	3 12 0	3 10 9	2 14 6	Monghyr.
25 4	22 10	32 5	22 11	24 0	21 7	151 0	164 2	151 8	10 1	10 0	12 10	....	3 11 0	3 2 0	Bhagulpore.
No sale.			18 0	18 0	18 0	120 0	120 0	160 0	X 9 0	9 0	10 8	4 6 0	4 3 3	3 8 0	Purneah.
...	...	...	...	...	...	120 0	140 0	120 0	9 8	9 8	11 8	4 0 0	4 0 0	3 5 0	Maldah.
22 0	22 0	33 0	20 0	20 0	26 0	200 0	200 0	200 0	9 8	9 8	11 8	3 14 6	3 14 6	3 4 6	Sonthal Pergunnahs.
															ORISSA.
...	...	...	18 6	17 1	15 12	80 0	80 0	80 0	8 0	8 0	14 0	4 7 0	4 7 0	2 12 0	Cuttack.
...	...	...	10 8	13 2	14 7	80 0	80 0	70 0	9 3	8 0	14 7	4 0 0	4 10 0	2 10 0	Pooree.
...	...	...	14 0	13 0	10 0	160 0	200 0	160 0	Y 9 8	9 8	10 8	3 14 0	3 14 0	3 5 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
15 0	18 0	18 0	128 0 (small.)	16 0	21 0	320 0	320 0	240 0	8 0	8 0	10 0	4 5 0	4 4 0	3 10 0	Hazaribagh.
Not available.			19 0	19 0	28 0	140 0	140 0	120 0	Z 8 0	8 8	9 12	4 12 0	4 12 0	4 0 0	Lohardugga.
...	...	...	18 0	18 0	20 0	240 0	240 0	320 0	6 8	6 8	9 0	5 8 0	5 12 0	4 0 0	Singbhoom.
26 0	26 0	...	19 0	19 0	21 0	200 0	200 0	200 0	Z1 8 0	8 0	10 10	4 6 0	4 3 0	3 8 0	Manbhoom.

U At Hajipore retail price of salt 10 seers per rupee.
V At Bettiah retail price of salt 10 seers per rupee.
W In sub-divisions retail prices of salt per rupee are:—Beguserai 9½ seers and Jamui 9½ seers.
X In sub-divisions retail prices of salt per rupee are:—Kishengunge 9 seers and Arrareah (at Raniganj) 10 seers.
Y At Bhudruck retail price of salt 9 seers per rupee.
Z At Daltongunge retail price of salt 9½ seers per rupee.
Z1 At Govindpore retail price of salt 10 seers per rupee.

Published for general information.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARTS	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta .	2 12 6	2 12 1	2 10 3	1 13 8	1 12 4	1 8 6	3 4 8	3 3 0	3 12 0	2 0 5	2 2 1	2 1 6
2	Soraygungo .	1 14 0	2 2 0	2 1 0	...	...	...	3 4 0	3 6 0	3 12 0	1 14 0	1 12 0	1 11 6
3	Dacca* .	...	...	...	...	.		..	...	..		..	...
4	Naraingunge*	...	...	...	...	..	...		...		...	..	.
5	Chittagong ..	3 8 0	3 6 0	3 7 0	...	...	...	2 12 0	2 14 0	3 0 0	2 0 0	2 1 0	2 6 0
6	Patna ...	2 2 0	2 0 0	2 0 0	1 10 0	1 9 0	1 5 3	3 4 0	2 13 6	3 0 0	2 3 0	2 1 0	1 14 0
7	Balasore ...	3 0 0	2 12 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	2 8 0	1 9 6	1 10 0	1 7 0
8	Pooree ...	...	...	...	...	...	..	...	...	...	2 2 6	2 0 6	1 11 0
9	Cuttack .	2 5 0	2 5 0	2 5 0	...	...	...	3 10 0	3 10 0	3 4 0	2 2 0	2 2 0	2 2 0

* Return not received.

CALCUTTA,
The 21st August 1888.

undermentioned Marts of Bengal on the **15*th August* 1888.**

Gram, Chana, Chhola, Cadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or thur. Cadjan Pea (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 14 1	1 13 7	1 10 6	2 0 6	2 0 4	2 4 0	1 14 1	1 13 8	2 0 0	0 6 8	0 6 1	0 6 9	3 7 6	3 7 8	3 0 0	Calcutta.
2 4 0	2 4 0	1 15 0	..	...	..	...	...	...	...	...	...	3 10 0	3 10 0	2 12 0	Serajgunge.
...		..	...	.	-	...	...	...	.	...	...	...	...	...	Dacca.
...	...		...	...	...	—		...	...	...	...	.	...	..	Naraingunge.
2 14 0	2 6 0	2 6 0	..	...	...	4 4 0	3 12 0	4 8 0	0 5 0	0 5 0	0 8 0	3 14 0	3 14 0	4 4 0	Chittagong.
1 10 0	1 9 0	1 4 9	..	...	1 3 6	1 8 0	1 7 0	1 7 0	0 3 9	0 4 0	0 5 0	3 10 0	3 10 0	3 1 6	Patna.
2 4 0	2 4 0	2 6 0	...	.	.	2 14 0	3 0 0	3 5 0	0 4 3	0 4 0	0 4 6	3 14 0	3 14 0	3 5 0	Balasore.
...	...	...	.	...	...	.	...	..	...	...	...	4 0 0	4 10 0	2 10 0	Pooree.
(Kalai) 2 2 0	2 2 0	2 2 0	...	...	...	2 2 0	2 0 0	2 5 0	0 8 0	0 8 0	0 8 0	4 7 0	4 7 0	2 12 0	Cuttack.

Published for general information.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station	Air pressure. Mean barometric height, 10 A.M.	Mean reduced to sea level	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree	29 628	29 638	—	SW	394 0	88 7	11th Aug	78 0	14th Aug	87 3	80·0	83·7	—	83·7
		Gopalpore	29 603	29 653	— 020	SSW	453 0	88 7	11th	78 8	16th „	86 1	80 4	83·3	0	83·7
		False Point	29 616	29 638	— 030	WSW	378 0	89 5	14th, 17th Aug	75 1	17th „	87 9	78 4	83 1	+0 6	84·7
	Cuttack	Cuttack	29 551	29 632	— 031	SW	103 0	91·3	14th „	76 8	14th to 17th Aug	88 9	77 7	83·3	—0 4	85·4
	Balasore	Balasore	29 551	29 601	— 056	SSW & SW	145 7	89 4	11th, 14th Aug	76 7	17th „	87 0	78 3	82 6	+0·4	82·6
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29 576	29 602	— 058	SW	630 0	90 2	14th „	79 5	16th „	86 9	81 0	84 0	+1 0	83·1
	Midnapore	Midnapore	29 461	29 611	— 069	S	95 4	90 5	15th „	76 3	16th, 17th Aug	87 6	77 7	82 7	—0 7	83 1
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29 560	29 588	— 061	SW	158 0	89 0	14th „	75 2	16th „	85 4	77 7	81·6	—1 0	81·1
	Burdwan	Burdwan	29 472	29 571	— 171	S	73 7	90	11th 16th & 17th Aug	76 4	16th „	88 6	78 4	83 5	—0 5	82 0
	Bankoora	Bankoora	29 273	—	—	Variabl	123 0	89 6	11th „	76 1	16th 17th Aug	87 0	77 6	82 3	—	83·2
	Beerbhoom, West Burdwan	Raneegunge	29 236	29 544	— 082	SW	88 2	90 0	12th „	75 4	16th „	87 6	78 4	83 0	—0 7	81·8
	Moorshedabad	Berhampore	29 503	29 570	— 078	South easterly	141 2	91 1	11th „	75 8	15th „	87 5	78 5	83 0	—1 2	82 0
	Nuddea	Krishnaghur	29 515	29 601	— 077	WSW	136 9	91 3	11th „	75 3	16th, 17th Aug	88 8	77 1	82 4	—1 3	84 4
	Jessore, Khoolna	Jessore	29 562	29 615	— 059	SSE	81 2	90 7	11th „	77 4	16th 17th Aug	87 3	78 8	83 1	—0 1	82 0
East Bengal.	Chittagong	Chittagong	29 502	29 582	— 034	SSE	175 0	86 6	11th „	75 1	11th 14th, 17th Aug	83 0	75 9	79 5	—1 0	79·3
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29 615	29 627	— 013	S	138 3	88 3	11th, 17th Aug	75 9	17th „	84 0	77 1	81 0	—0 9	80 9
	Noakholly	Noakholly	29 610	29 654	—	SSW	90 7	86 5	11th „	74 8	17th „	83 3	76 3	79 8	—	80 5
	Furreedpore	Furreedpore	29 574	29 614	— 0[illegible]	S, SW	136 0	88 5	11th „	76 9	16th, 17th Aug	85 4	78 3	81 8	—0 9	81 3
	Dacca	Dacca	29 580	29 630	— 054	SW	178 0	88 1	16th 17th Aug	77 2	17th „	85 4	78 8	82 1	—0 7	81 2
	Commillah	Commillah	29 597	29 613	— 045	S	161 4	88 4	11th „	74 8	17th „	84 1	76 5	80 3	—1 8	80 1
	Mymensingh	Mymensingh	29 554	29 612	— 066	SE	157 0	89 3	11th „	76 6	17th „	86 6	78 0	82 3	—0 4	83 2
North Bengal.	Bogra	Bogra	29 504	29 567	—	E	108 8	89 8	12th „	76 8	17th „	88 0	75 2	83 1	—	83 7
	Pubna	Serajgunge	29 534	29 581	— 088	SE	96 4	89 6	12th „	76 7	17th „	86 7	78 6	82 6	—0 2	83 5
	Rajshahye	Rampore Beauleah	29 707	29 577	— 073	SW	150 5	89 8	12th „	77 1	15th „	87 1	78 9	83 0	+0 3	83 5
	Maldah	Maldah	29 471	—	—	SE	95 5	91 9	11th „	76 9	17th „	89 9	78 6	81 3	—	85 5
	Dinagepore	Dinagepore	29 457	29 576	— 072	ESE	161 0	91 6	17th „	73 1	12th 13th & 17th Aug	83 3	79 2	84 8	+0 9	85 0
	Rungpore	Rungpore	29 470	29 603	— 090	ENE SSE	230 0	92 3	16th „	76 7	13th „	88 7	78 0	83 4	+0 4	84 4
	Julpigoree, Cooch Behar	Julpigoree	29 314	29 600	— 078	E	118 8	90 5	13th „	76 8	13th „	88 1	76 1	82 1	+0 6	82·7
	Darjeeling Hill Tracts	Darjeeling	2 684	—	— 025	North easterly	101 8	71 6	17th „	57	12th 13th & 17th Aug	68 5	8 3	63 4	+2 4	64 1
North Behar.	Purneah, North Bhagulpore	Purneah	29 458	29 584	— 1	L	49 ?	91 7	12th 16th Aug	73 6	11th „	83 5	75 9	82 7	—0 9	84 8
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga	29 401	29 566	—045	Easterly	141 0	91 4	11th „	78 8	17th „	89 7	81 0	85 4	+1 9	86 0
	Chumparun	Motihari	29 874	29 560	— 004	ESE	170 2	94 2	12th „	75 4	17th „	92 1	7P	85 3	+2 4	86 7
	Sarun	Chupra	29 366	29 560	— 067	E	103 8	89 5	11th „	77 6	17th „	85 1	79 6	82 4	—0 9	84 7
South Behar.	Shahabad	Dehree	29 195	29 551	— 088	Variable	170 8	91 3	11th, 12th Aug	74 0	16th „	88 6	78 1	88 4	+0 8	83 5
		Buxar	29 309	29 550	— 076	Variable	154 5	92 3	12th „	76 7	17th „	89 4	79 1	84 3	+0 5	84 8
		Arrah	29 360	29 558	— 067	Variable	62 0	93 4	12th „	77 6	17th „	88 9	79 3	84 1	+0 2	84 8
	Gya	Gya	29 165	29 541	— 081	Northerly	61 0	93 4	12th „	74 3	16th „	89 8	78 0	83 9	—0 5	84 7
	Patna	Bankipore	29 376	29 559	— 069	Variable	85 5	96 0	12th „	78 7	14th „	89 8	80 2	85 0	+0 3	83 5
	South Bhagulpore, Monghyr	Bhagulpore	29 393	29 555	—·082	E	75 0	92 2	12th „	77 5	13th „	89 5	79 2	84 2	+1·1	88 9
	Sonthal Pergunnahs	Doomka	29 056	—	—	Variable	108 2	89 9	11th „	74 8	16th „	87 3	77 0	82 2	—	83 8
Chota Nagpore.	Hazaribagh	Hazaribagh	27 578	29·578	—·064	W	196 4	85 4	11th, 14th Aug	69 7	17th „	82 1	72 8	77 5	—1 1	75 8
	Lohardugga, Manbhoom	Ranchee	27·460	29 574	—·081	SW	139·7	85 0	11th, 15th Aug	69 4	17th „	81 9	72 3	77 1	—1 0	76 1
	Singhbhoom	Chyebassa	28 810	—	—	SW	49 2	89 0	15th „	73 3	16th „	86 2	77·0	81·6	—	81·6
Assam.	...	Sibsagar	29·335	29·668	— 040	SW	72 0	91 6	11th 14th & 16th Aug	76 0	12th „	89 3	78 8	83 8	+0·1	83 2
		Dhubri	29 494	29·610	—·092	Calm	142·4	89·2	12th „	77 3	13th „	86 1	78 2	82 3	0	82·7
		Silchar	29 555	29 630	—·065	North-easterly.	55 0	91 5	12th „	75 3	17th „	89 1	77 1	83 1	+0·7	84 2

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period for the last ten years.
The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number are the numerical mean or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 12 stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Means for six days.

for the week ending Friday, the 17th of August 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
86	7·6	0·86		2·46		6 86			29·13			4·4	Pooree	Pooree	Orissa.
88	5·6	1·93	—	—	—	—	—	—	—	—	—	—	Gopalpore		
81	9·3	1·90	—	—	—	—	—	—	—	—	—	—	False Point		
74	8·4	4 63		2·39		6·19			30 63			4 2	Cuttack	Cuttack	
87	8 7	0 60	1·00	2 74	7 22	6 94	+0 28	26·51	31 03	−4·52	2·3	4 2	Balasore	Balasore	
87	9·9	2 95	5 02	3 24	7 02	8 16	−0 24	22 01	35 68	−13·67	5 0	4 5	Saugor Island	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
86	6·4	3 11	4·88	2·62	8 76	7·85	+0 91	33 47	32 10	+1·37	4 3	4 0	Midnapore	Midnapore	
89	10·0	7·88	6·42	3·15	8 52	7 73	+0 79	34 73	32 78	+1·95	5 5	4·8	Calcutta	24-Pergunnahs; Howrah; Hooghly	
84	9·7	3 07	5 59	2·96	6 90	7 13	−0 23	32 10	29·13	+2 97	5·0	4 3	Burdwan	Burdwan	
85	8 3	2 98	4 14	2 80	6 37	9·01	−2 64	31 68	33·48	−1·80	4·8	4 5	Bankoora	Bankoora	
88	8 9	5 11	10 52	2·72	12·12	7 47	+4 65	36·76	32·32	+4·44	6 5	4 5	Raneegunge	Beerbhoom; West Burdwan	
91	10 0	5 81	6·56	2 25	6 43	6 82	−0·39	28·19	30 13	−1·94	5·3	4 3	Berhampore	Moorshedabad	
80	9 3	13 12	8 07	3 18	10 23	7 00	+3 23	34 42	30 48	+3 94	5 8	4·3	Krishnaghur	Nuddea	
92	9 7	4 77	5 68	2 91	6 94	7·25	−0 31	30 22	34 06	−3 84	6·0	4 4	Jessore	Jessore; Khoolna	
93	9·1	10 34		6 58		15 80			81·80			5·8	Chittagong	Chittagong	East Bengal.
				4 17		10 02			51 30			5 8	Domagiri	Chittagong Hill Tracts	
91	9 6	7 07	11 56	3 76	14·20	9 57	+4 63	45 31	50 67	−5·36	7·0	5 2	Barrisal	Backergunge	
91	9·6	12 08	14·22	5 76	15·89	15 36	+0·53	61·94	70 74	−5 80	7 0	5 8	Noakholly	Noakholly	
91	9 3	5 20	5 63	2 51	7 16	6 91	+0·25	32·98	35 73	−2·75	6 3	4·3	Furreedpore	Furreedpore	
92	9 9	5 51	5 11	2·48	6 36	8 00	−1 64	39 43	38 67	+0 76	7 0	4 7	Dacca	Dacca	
87	7 7	12 28	7 72	4·05	9 27	9 95	−0 68	40 06	44 55	−4 49	5 8	4 9	Commillah	Commillah	
87	8·0	4 20	3 63	2 91	5 41	7 34	−1 93	44 45	41 62	+2 83	6·4	4 5	Mymensingh	Mymensingh	
86	9 0	3 16	3·37	2 60	4 22	6 43	−2·21	29·02	36 39	−7 37	5 8	4 0	Bogra	Bogra	North Bengal.
86	8 4	2 04	2 90	2 38	5 08	5 95	−0·55	30 18	31 49	−1 31	7 0	4 0	Setajgunge	Pubna	
84	6·6	2 50	5 05	2 61	7 32	6 50	+0 82	27 10	31 60	−4 50	6 5	4 3	Rampore Beauleah	Rajshahye	
86	7·0	9 05	6 18	2·15	8 19	6 24	+2 25	24 32	32 92	−8 60	5 0	4 4	Maldah	Maldah	
85	8 4	3 22	5 91	2 85	6 91	6 89	+0·10	33 80	37·34	−3 54	5·4	4·5	Dinagepore	Dinagepore	
85	5·7	6 06	3 78	2·87	4 56	6 66	−2 10	40·67	49·38	−8 71	4·0	3 8	Rungpore	Rungpore	
89	8 0	8 63	4 75	4 82	8 37	12 79	−4·42	68·10	72 44	−4 34	5 4	4·8	Julpigoree	Julpigoree; Cooch Behar	
95	9·4	3 32		5 64		17 03			83 88			5 2	Darjeeling	Darjeeling Hill Tracts	
88	6·5	2 69		2 81		7 25			35 65			4 1	Purneah	Purneah; North Bhagulpore	North Behar.
				2 25		6 02			26 28			3 4	Mozufferpore	Mozufferpore	
79	7·9	0 67	2 17	2 26	3 45	5 92	−2 47	26 81	26 96	−0 15	4 0	3 5	Durbhunga	Durbhunga	
75	8 3	2 09	[illegible]	3 16	4 05	7 53	−3 48	28 97	28 61	+0 36	5 0	3·3	Motihari	Chumparun	
85	7·4	2·24	2·17	2·14	3 10	6 11	−3 01	19 81	25 99	−6 18	3 7	3 4	Chupra	Sarun	
85	7·4	5·77											Dehree	Shahabad	South Behar.
80	8·4	1·23	5 27	2 32	6 27	6 67	−0 40	22·95	23 87	−0 92	5·0	3 0	Buxar		
86	9 3	3·25											Arrah		
76	8 1	12 42	8·42	2·26	10 78	6 58	+4·20	28 30	25 83	−2 53	6 0	2·9	Gya	Gya	
86	9·9	4·49	4 34	2 11	6 41	5 93	+0 48	28 66	25 56	+3 10	5·3	3 0	Bankipore	Patna	
85	5·0	2·73	3 74	2 33	5 96	6 55	−0 59	27 83	26 73	+1 10	6 2	3 5	Bhagulpore	South Bhagulpore; Monghyr	
83	8 1	10·93	7 64	2 27	9 94	6 65	+3 29	31 96	30 86	+1 10	6 8	4 1	Doomka	Sonthal Pergunnahs	Chota Nagpore.
90	10·0	11·86	8·20	2·40	11·91	7 54	+4 37	34 02	30 90	+3·12	6·8	4·0	Hazaribagh	Hazaribagh	
88	9·9	7 81		2 8		7 63			30 39			4 0	Ranchi	Lohardugga; Manbhoom	
			6·35	2 61	9 61	8 ·1	+· 60	29 58	29 76	−0 18	7·0	4·1			
81	8·4	5·16	4 66	2 21	7 65	8 45	−0 80	24 82	33 63	−8·81	4 0	5 0	Chyebassa	Singbhoom	
90	9·7	3 93											Sibsagar	....	Assam.
86	7·3	6·22											Dhubri	....	
88	9·1	3·96											Silchar	..	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean-
years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall a the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 17th of August 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 11th August.	Sunday, 12th August.	Monday, 13th August.	Tuesday, 14th August.	Wednesday, 15th August.	Thursday, 16th August.	Friday, 17th August.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	1·00	0·28	......	2	1·28	9·64	5·13	19·34	25·00
		Khurdah ...	0·35	0·05	......	1·47	0·57	0·20	0·16	6	2·80	7·21	7·27	19·88	31·69
		Banpur ...	......	0·04	0·65	0·52	0·30						7·27		26·65
		False Point ...	......	0·05	......	0·12	0·74	0·52	0·05	5	1·48	6·45	7·74	27·18	35·90
		Gop ...											?		?
		Pipli ...	0·50	...	1·50								?		?
	Cuttack	Jagatsingpore	0·12	0·07	...	...	0·20						6·38		26·05
		Banki ...	0·02	...	0·02	0·27	1·07	0·47					4·02		28·08
		Cuttack ...	0·07	0·10	0·08	1·11	0·32	0·71	0·11	7	2·48	9·43	6·66	22·44	34·36
		Kendrapara ...	......	0·14	..	0·80	0·73	2·46	0·21	5	4·34	8·58	7·48	21·00	30·59
		Jajpore ...	0·15	......	1·20	...	0·25	1·15	......	4	2·75	11·76	6·41	29·01	32·99
		Dharmsala ..	......	1·50	0·10	0·80	0·20	1·25					?		?
		Salipore ...											?		?
	Balasore ...	Chandbali ...	0·45	0·60	0·30	...	1·30	0·50	0·60	6	5·75	12·05	7·14	26·42	29·16
		Bhuddruck ...	1·10	0·28	......	0·83	......	0·17	......	4	2·38	7·27	6·58	26·21	30·61
		Sorah ...	...	......	......	......	......	......	......	Nil	Nil	5·16	6·87	22·71	29·09
		Balasore ..	0·08	......	......	......	......	0·12	......	2	0·20	9·09	7·83	25·86	33·11
		Jellasore ..	1·11	......	......	......	0·70	0·05	......	3	1·86	7·06	6·94	35·10	32·79
		Baripodah ...	0·04	......	......	......	......	0·32	......	2	0·36	4·06	6·28	28·63	31·26
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	0·53	0·42	...	......	1·06	0·10	......	4	2·20	5·44	8·01	31·10	34·64
		Saugor Island	1·61	0·80	0·15	......	0·01	0·23	0·02	6	2·85	5·77	8·05	19·34	37·96
		Tumlook ..	2·30	......	......	......	2·50	3·50	......	3	8·30	10·60	7·11	34·20	30·74
		Midnapore ...	0·38	......	0·04	......	1·13	1·00	...	4	2·55	8·52	7·36	37·89	30·62
		Ghattal ...	0·29	......	0·16	0·09	1·61	1·26	0·38	6	3·79	7·15	9·07	28·27	34·93
		Kukrahaty ..	3·41	0·12	......	......	2·42	4·82	......	4	10·77	12·37	?	35·56	?
		Heria ..	0·53	0·11	......	......	0·52	0·63	0·10	5	1·89	4·06	?	25·94	?
		Bhagwanpore	0·58	......	......	0·33	1·50	3·99	......	4	6·40	9·39	?	27·64	?
		Garbeta ...	0·48	......	......	2·17	1·17	1·60	......	4	5·42	8·34	?	35·74	?
	24-Pergunnahs	Diamond Harbour ..	4·30	0·30	......	......	1·87	3·27	0·26	5	10·00	12·55	7·51	25·62	34·41
		Canning Town	0·41	0·30	2·56	0·03	4·00	4·10	0·25	7	11·65	13·72	?	34·08	?
		Alipore Jail ..	1·70	0·07	......	......	5·15	0·92	0·06	5	7·00	9·65	7·91	28·59	34·35
		Barrackpore ...	0·60	0·31	......	......	3·84	1·52	0·08	5	6·34	8·30	7·01	36·69	32·62
		Dum-Dum ...	1·28	0·10	......	...	2·75	0·55	......	4	4·68	7·31	7·71	33·06	34·41
		Baraset ..	1·15	[illegible]	0·05	0·60	1·80	0·63	0·15	7	4·50	8·41	6·75	37·98	30·34
		Buseerhat ...	0·19	0·22	0·10	......	3·49	0·54	0·51	6	5·05	6·90	7·65	33·84	34·84
	Howrah	Howrah ..	1·56	0·09	......	......	3·75	0·72	0·07	5	6·19	7·54	7·15	29·84	32·18
		Mohesreka (*Ooloberiah*.	1·58	......	......	0·70	5·50	0·85	......	4	8·63	10·99	7·30	30·38	32·56
	Hooghly	Serampore ..	1·42	0·04	0·08	1·32	2·46	1·42	0·11	7	6·85	8·55	7·69	37·93	32·36
		Hooghly ...	1·37	0·02	...	0·87	3·09	2·72	1·09	6	9·16	10·46	7·67	41·02	31·60
		Jehanabad .	0·06	......	0·50	0·49	2·20	1·00	0·05	6	4·90	7·05	9·80	37·25	34·41
	Burdwan ..	Culna ..	0·09	...	0·52	2·22	1·21	1·82	......	5	5·86	6·90	7·00	55·60	29·13
		Burdwan ..	0·70	0·05	......	0·10	0·80	0·45	1·11	6	3·21	4·21	7·49	24·93	29·73
		Cutwa .	0·50	..	0·03	0·88	3·59	0·07	2·63	6	7·70	9·58	6·90	35·78	29·59
		Raneegunge	[illegible]	0·11	0·02	0·59	3·74	0·22	0·86	7	5·62	8·07	7·55	38·58	31·17
		Mankur ..	0·41	......	......	1·35	1·42	......	1·48	4	4·06	5·67	?	28·12	?
	Bankoora ..	Bankoora ..	......	0·65	......	0·40	1·10	0·89	0·07	5	3·11	5·04	8·70	29·53	32·70
		Bishenpore .	0·45	...	......	0·92	1·73	0·50	0·16	5	3·76	5·26	8·99	26·59	33·14
		Maliara .	......	0·21	..	1·21	2·36	1·04	0·81	5	5·63	7·51	10·38	34·59	34·93
		Khatra ..	......	...	0·40	0·12	1·55	[illegible]	......	4	4·07	7·68	7·98	35·02	36·07
		Indas ..	......	0·11	.	0·40	0·71	0·70	......	4	2·01	4·62	?	26·74	?
		Kotalpore .	0·65	0·12	0·06	...	1·52	1·20	0·05	6	3·60	5·12	?	27·52	?
		Anda .	0·28	......	......	0·10	1·20	0·80	0·05	5	2·44	3·23	?	20·11	?
		Gangajalghati	......	0·63	......	0·18	1·70	0·80	0·42	5	3·73	5·74	?	35·79	?
		Raipore ..	0·15	......	0·42	0·25	0·73	1·63	1·23	6	4·71	7·98	?	32·18	?
		Sonamukhi	0·28	......	......	1·19	0·70	0·43	0·37	5	2·97	4·85	?	29·86	?
	Beerbhoom	Bh. Soory	0·27	0·92	2·04	0·06	5·64	0·18	0·74	7	9·85	11·32	7·52	34·54	32·84
		Hetampore ...	0·67	1·34	......	4·45	0·83	0·79	1·05	6	8·83	9·73	7·15	29·22	34·62
		Rampore Haut	......	2·64	1·98	2·75	9·88	0·15	0·38	6	17·78	19·33	7·66	44·58	30·57
		Bolpore	0·34	0·12	......	1·80	3·51	0·49	0·59	6	6·84	7·83	?	36·90	?
		Murarai ...	......	2·56	......	0·50	4·45	0·15	0·30	5	7·96	10·55	?	?	?
	Nuddea ..	Ranaghat	0·17	0·07	......	0·49	0·99	0·98	0·91	6	3·59	6·08	8·07	36·16	30·71
		Kishnaghur .	1·04	......	1·16	6·78	......	0·50	3·89	5	13·17	15·11	6·74	44·44	28·40
		Chooadanga	0·63	0·12	..	3·30	5·60	......	0·40	5	10·05	12·30	7·19	34·51	31·16
		Meherpore ..	0·26	......	0·06	0·59	6·30	0·07	0·07	6	7·35	10·14	6·62	33·16	29·45
		Kooshtea .	0·03	0·08	0·04	2·60	2·22	0·11	1·11	7	6·19	7·54	6·37	23·82	32·63
	Khoolna ..	Satkhira .	0·40	0·90	0·20	......	2·20	0·50	0·70	6	4·90	6·09	7·47	25·87	35·39
		Bagirhat ..	...	2·11	0·97	3·05	2·63	0·54	2·67	6	12·57	13·85	8·29	37·93	40·52
		Khoolna ..	0·03	0·40	1·23	1·80	0·41	0·48	1·87	7	6·22	17·64	7·46	35·98	34·68
	Jessore	Narail ..	0·21	0·77	0·16	0·50	0·96	1·26	0·77	7	4·63	5·04	7·41	30·18	30·61
		Jessore ...	0·29	0·41	0·40	0·66	1·51	0·75	0·87	7	4·89	6·26	7·74	37·47	35·35
		Jhenidah ..	0·43	0·20	......	2·25	1·13	......	0·72	5	4·73	6·69	7·23	25·72	33·17
		Magoorah ...	0·16	0·41	0·74	0·37	2·49	0·20	0·45	7	4·82	5·84	5·49	27·27	31·62
		Bongong ..	......	0·30	......	......	......	0·75	1·05	3	2·70	4·61	7·13	31·64	31·20
	Moorshedabad	Kandi ...	......	0·10	......	......	1·78	0·45	......	3	2·33	2·70	6·48	32·26	30·59
		Berhampore ...	0·54	0·27	......	0·10	3·90	0·90	0·35	6	6·06	6·72	7·34	24·93	30·13
		Lalbagh ...	......	0·04	0·16	0·02	4·68	0·35	0·12	6	5·37	6·09	6·93	27·61	29·68
		Azimgunge ...	......	0·40	......	......	2·68	0·11	0·03	4	3·22	4·20	7·45	28·81	30·63
		Jungipore ...	0·05	0·45	0·44	0·48	5·04	0·12	0·22	7	6·78	7·42	6·06	25·22	28·84
		Lalgola ...	0·30	0·75	......	......	7·52	0·35	0·65	5	9·57	11·41	6·65	30·57	30·79
		Akhriganj ...	0·03	1·00	......	......	0·83	0·57	0·15	5	2·58	3·74	?	28·59	?
		Patkabari ...	1·00	1·40	......	1·40	0·50	0·23	0·50	6	5·03	6·13	?	34·83	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	1·53	2·15	0·45	1·45	3·43	3·95	3·75	7	16·71	24·69	18·45	107·69	98·38
		Chittagong ...	0·45	4·14	1·37	5·96							18·14		65·16
		Kutubdia ...											?		?
		Sitkanya ...	0·55	1·15	0·65								?		?
	Chittagong Hill Tracts.	Rangamati ...	0·24	2·50	2·07	7·05	3·58	2·91	0·54	7	18·98	21·05	11·68	49·10	54·13
		Ruma ...											8·34		48·59
	Backergunge	Patuakhally ..	1·07	2·58	0·36	0·77	0·38	5·67	5·18	7	16·01	17·66	10·33	58·10	58·68
		Perozepore ...	0·16	1·03	1·42	0·31	2·30	0·77	2·00	7	8·89	12·54	9·58	43·15	45·55
		Burrisal ...	0·14	2·81	1·02	0·32	2·12	0·43	1·83	7	8·65	10·02	7·94	39·85	44·33
		Bhola ...	0·54	3·75	2·53	2·08	0·29	0·64	2·87	7	12·70	16·61	10·42	40·66	54·06

Statement of Rainfall in Bengal for the week ending Friday (6 p m.), the 17th of August 1888 —contd.

Meteorological Division.	District.	Station	RAINFALL Saturday, 11th August	Sunday, 12th August.	Monday, 13th August.	Tuesday, 14th August	Wednesday, 15th August.	Thursday, 16th August	Friday, 17th August	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL —concld.		*Gournaddi*		2 05	0 90	0 06	0 24	0 56	1 04	6	4 85	5 34	?	34 67	?
		Bauphal	0 91	3 25	1 33	0 12	0 38	0 75	5 11	7	12 17	13 84	?	56 20	?
	Noakholly	Noakholly	0 55	4 66	3 96	0 36	0 35	0 90	2 16	7	13 03	15 59	15 35	64 40	70·09
		Fenny	0 38	4 72	4 00	2 00	0 67	2 31	0 73	7	15 40	16 74	15 36	65 45	71·34
		Harishpore	0 53	2 [illegible]		4 89	1 82						?		?
		Ramganj	0 24	3 90	4 45	0 23	0 81	1 24					?		?
	Furreedpore	Madaripore		2 18	0 08	0 85	1 75	0 40	0 59	6	5 85	6 98	7 65	33 21	37 24
		Furreedpore	0 70	0 [illegible]	0 38	0 87	1 03	2 15	0 25	7	5 73	7 90	6 87	35 38	36 30
		Goalundo	0 21	0 80	0 60	3 60		0 96	0 14	6	5 31	6 58	6 21	30 35	33 63
	Dacca	Munshigunge	0 17	1 78	0 10	2 10	0 15	0 31	0 43	7	5 44	6·45	9 61	42 36	45 67
		Dacca	0 31	1 71	0 38	1 57	0 42	0 72	0 33	7	5 50	6 66	7 59	35 04	38 43
		Narainganj	0 24	2 00	0 04	1 31	0 33	1 01	0 23	7	5 20	6 31	7 78	45 89	37 86
		Manickgunge	0 20	1 01	1 37	1 29	0 51	0 03	1 01	7	5 48	6 11	7 02	31 83	34 54
		Joydebpore		0 73	0 10	0 74	1 00	0 84	0 [illegible]	6	3 15	6 19	?	44 50	?
	Hill Tipperah	Agartola		1 31		0 35	0 73	1 01		4	3 47	4 55	7 83	36 08	33 41
	Tipperah	Comilla	0 46	2 [illegible]	1 30	0 8	2 60	5 26	0 40	7	13 14	14 58	11 21	40 97	51 87
		Chandpore	0 10	3 01	0 17		1 60	0 27	0 51	6	6 14	7 06	13 38	38 78	50 10
		Brahmunberia		2 5	0 12	3 9	0 31	1 52	0 11	6	8 04		7 32		37 84
		Ramohan Ira pore.		1 2	0 52	0 82	1 03	1 75	0 58	6	6 31	7 43	?	41 02	?
		Nasirnagar		0 25	0 70	1 07	0 10		0 50	5	2 60	4 37	?	33 31	?
		Daudkandi		0 42	1 13	0 60							?		?
		Kasba		1 30		0 10	3 33	1 60	0 28	5	7 20	7 38	?	37 10	?
		Laksham	0 19	4 41	2 60			1 07	0 90	5	9 47	10 89	?	41 47	?
	Mymensingh	Kishoregunge		0 0	0 12	0 14	0 10	0 40	0 21	6	1 47	4 19	7 45	54 28	44 50
		Atia (*Tangail*)	0 52	0 41	0 3	0 11	0 26	1 41	0 14	7	1 82	3 82	6 91	23 44	34 81
		Mymensingh	0 18	1 57	1 54	0 20	0 14	0 19	0 0	7	3 23		7 11		46 45
		Jamalpore		1 [illegible]	[illegible]	2 00	0 26	0 16		5	6 17	8 40	7 10	45 58	38 36
		Netrokona	0 07	0 08	2 01	0 31	0 13	0 15	0 13	7	3 37	5 93	8 01	57 19	43 43
		Subornakhally		0 [illegible]	3 8	0 10	0 17	0 [illegible]		5	5 17	5 61	?	39 5	?
		Durgapore	1 00	1	1 [illegible]	0 51		0 60					?		?
		Dewanganj	0 10	0 74	1 30	0 15	0 06	1 05	0 06	7	2 76	4 45	?	37 06	?
NORTH BENGAL	Pubna	Pubna	0 21	0 33	0 10	1 70	0 21	0 25					6 02		30 74
		Serajgunge	0 06	0 83	1 33	0 25	0 21	0 17	0 10	7	3 11	4 36	5 31	31 13	32 17
	Bogra	Sherpore	0 17	1 38	0 42	0 21	0 28	0 10	0 11	7	3 12	4 03	7 08	23 54	37 06
		Nowkhila	0 17	0 50	1 71		0 1	0 23		[illegible]	3 48	3 73	6 51	35 63	34 51
		Bogra		0 87	1 5	0 04	0 4	0 7	0 02	6	3 4	4 82	5 11	27 51	30 05
		Khetlal	1 33	1 23	0 30		0 4	0 15		5	3 41	4 21	6 13	20 41	34 89
	Rajshahye	Beauleah	0 17	0 21	0 [illegible]	0 01	1 2	0 62	1 35	7	3 60	5 52	6 02	17 31	31 07
		Nattore		0 40	1 30	1 27	2 3	0	0	6	0 50	9 12	6 07	36 88	32 07
		Naogaon		0 58	1 0	0 [illegible]	0 10		0 11	5	2 7	2 90		22 23	?
		Lalpore	0 08	0 2	0 38	2 31	0 11		0 31	6	3 53	7 74	?	26 26	?
		Manda		1 04	1 33	0 7	0 43			4	2 83	4 12	?	19 10	?
	Maldah	Maldah		1 11	1 [illegible]	0 85	1 4	2 12	0 07	6	9 05	11 63	5 42	23 97	30 56
		Chanchal			3	0 35	0 10	0 48		4	3 90	5 33	7 17	19 03	35 29
		Gajol		0 81	2 31	0 3	2 0	0 91	1 20	6	6 4	7 24	?	23 17	?
		Sibganj	0 07	0 44	0 10	0 51	0 50	0 14	0 10	7	2 21	4 50	?	29 76	?
	Dinagepore	Mohadebpore	0 75	2 42	1 45	0 15		0 71		5	5 27	5 67	7 51	26 01	36 29
		Churaman	0 13	1 45	3 15	0 04	0 18	0 28	0 03	7	5 [illegible]	7 04	5 82	25 13	33 64
		Raigunge		0 3	4 10	0 17	0 08			4	5 36	6 28	6 98	38 90	38 37
		Dinagepore		1 11	1 7	0 14	0 81	0 01		5	3 46	4 52	7 69	15 50	32 60
		Balurghat	0 17	1 4	0 14	1 07		0 11	0 0	6	3 03	5 44	6 45	29 02	35 78
		Thakoorgaon	0 2		2 78		0 47	0 12	0 44	5	4 03	4 83	?	?	?
	Rungpore	Bhawanigunge (*Gyabandha*)		1 72	1 77		0 18			3	3 67	4·01	5 66	32 03	30 30
		Rungpore		2 40	3 27	0 75	0 11	0 05		5	6 51	7 07	6 11	36 84	50 07
		Kurigram		1 31	1 3			0 73		3	3 37	3 85	5 81	53 74	51 77
		Bardwia	0 06	0 0	0 81	0 27		0 1		5	1 64	2 45	8 63	40 05	57 34
		(*Nilphamari*) *Ulipore*		1 45	2 10	1 75	0 75			4	5 06	6 91	?	38 41	?
	Julpigoree	Julpigoree	0 01	1 1	3		2 6	1 48		5	8 45	11 66	14 21	80 31	75 35
		Alipore Duar		1 8	2 3	0 [illegible]		0 6	0 12	[illegible]	4 10	1 20	?	61 61	?
		Fallacotta	0 11	[illegible]	3 01	0 1	0 17	0 74	0 11	7	6 11	7 83	?	68 08	
		Debiganj		1 4	0 76	0 2	0 [illegible]	0 5		5	1 23	2 31		40 57	
	Cooch Behar	Dinhatta	0 4	1 87	3 41	0 07	0 02	0 84	0 15	7	5 43	12 86	9 71	70 43	60 15
		Cooch Behar		0 71	3 08	0 11		0 0		4	4 11	8 34	12 00	72 53	81 31
		Mekligunge	0 1	0 80	1 71	0 03	1 85	0 21	0 1	7	4 13	6 54	14 03	61 74	61 56
		Mathabhanga	0 0	1 51	3 01	0 23		0 13	0 10	6	7 08	9 8	13 15	61 15	71 20
	Darjeeling Hill	Buxa	1 11	1 11	6 15	0 13	0 52	0 58					25 6		133 02
		Siliguri		0 14	1 48	0 [illegible]	0 45	1 05	0 17	7	5 77	7 74	16 75	63 45	75 37
		Darjeeling	0 1	1 3	0 40	0 [illegible]	0 13	0 11	0 7	7	3 70	6 02	14 24	59 50	71 87
		Kalimpong	0 17	0	0 06	0 17	0 18	0 33	0 23	7	1 8	3 55	12 13	46 00	56 13
NORTH BEHAR	Purneah	Kissengunge	0 13	4	0 18	0 54	0 14	0 74	0 71	7	2 72	3 21	9 35	6 16	44 93
		Arrareah	0 12	0 23	0 1			0	0 50	5	2 37	3 38	7 3	58 81	59 41
		Purneah	0 13		0 13		0 24	0 14					7 31		45 72
		Gondwara		0 12	0 15	1 35	1 10	1 20	1 2	6	6 15		?		
		Balarampore	0 16	0 17	1 20	0 25				4	1 78	2 33	?		
		Manary				0 70		0 10		[illegible]	1 30	1 0	[illegible]		[illegible]
	North Bhagulpore.	*Kaliaganj*	0 73	0 34	0 54	0 10	1 10	1 13	0 05	7	3 42	3 12	?	45 0	[illegible]
		Maddepur	0 11	0 25	0 11		0 12	0 51		5	[illegible]	3 4	6 38	5 48	29 03
		Soopoul		0 [illegible]	0 6	0 6	0 [illegible]	0 17	0 10	[illegible]	1 64	2 51	6 30	27 14	[illegible]
		Protabganj				0 44	0 03	0 12		6	1 80	2 04		24 71	[illegible]
	Durbhunga	Tajpore	[illegible]	0 14	4 17	0 41			0 12	4	4 74	6 35	5 91	27 07	26 71
		Durbhunga			0 40		0 03	0 03	0 15	4	0 17	1 17	7 27	25 31	2 31
		Madhubani	0 69	0 97	0 06				0 38	4	2 10	2 84	6 60	38 17	24 64
		Bahera	0 0	0 11	1 81	0 50	0 27	0 15	1 30	7	4 33	6 67		34 64	
		Rosera			4 20	0 12		0 50		3	4 52	5 81		30 43	?
	Mozufferpore	Sitamarhi	0 25										5 12		18 6
		Mozufferpore	0 07	0 05	0 95	0 55		0 95	0 07	6	2 04	9 51	5 73	30 76	36 7
		Hajipore	0 04	0 80	2 51	0 72		1 42	0 10	6	5 58	8 18	6 37	30 40	30 13
		Paru	0 33	0 22	1 24	1 50			0 48	5	2 77	3 74	?	23 04	[illegible]
		Mahua	0 10	1 00	1 00	0 15				4	3 35	5 30	?	24 19	[illegible]
		Sisahar	0 35	0 20									[illegible]		
		Pupri	0 33					1 10					?		
	Chumparun	Motihari	0 21		0 15			0 50	0 93	4	2 50	3 66	7 72	24 64	27 38
		Bettiah	0 33	0 18	0 13	0 33		0 21	1 80	6	2 15	5 42	7 32	3 3	20 8
		Bagaha	0 0	0 30	0 08	0 18			2 1	5	3 7	4 00	?	30 00	
		Burhurwa	0 02	...	0 30	0 07		0 77	1 05	5	2 21	2 65	4	20 24	[illegible]

Statement of Rainfall in Bengal for the week ending Friday (6 p m.), the 17th of August 1888—*concld.*

Meteorological Division.	District.	Station	Rainfall: Saturday 11th August.	Sunday 12th August.	Monday 13th August	Tuesday, 14th August.	Wednesday 15th August	Thursday 16th August.	Friday, 17th August.	Total: Number of rainy days.	Rainfall of week	Total rain fall since 1st of month	Average total rainfall from 1st of month	Total rainfall since 15th May	Average rainfall from 15th May to date.
NORTH BEHAR —*concluded*	Sarun	Gopalgunge		0 32	0 18	0 56			0 85	4	1 91	2 49	6 21	19 87	26 88
		Siwan		1 08	1 22				0 57	3	2 85	4 10	5 98	19 83	25 70
		Chuprah		0 48	1 [illegible]	0 00			0 13	4	1 76	2 72	6 13	20 30	25 37
SOUTH BEHAR	Shahabad	Buxar	0 03	0 34	0 [illegible]	0 13			1 15	5	1 94	2 8	5 73	18 08	22 39
		Dehree	0 22	1 78	0 [illegible]		0 12	0 45	4 83	6	7 73	8 73	6 80	27 06	23 71
		Bhuboosh	0 0	0 82	0 [illegible]			0 30	3	5	5 47	6 [illegible]	6 96	21 74	25 16
		Sasseram	1 17	1 40	1 75			0 08	2 79	5	7 85	8 91	7 32	24 04	24 51
		Arrah	0 10	1 [illegible]	0 40				1 2[illegible]	4	3 35	4 56	6 48	23 78	24 65
		Mohania	1 20	1 10		0 50		1 50	2 50	5	6 80	7 05	*	18 48	*
	Gya	Aurungabad	0 10	1 31	0 31	0 28		2 47	3 [illegible]	6	8 10	10 78	7 17	25 70	26 40
		Gya	0 3	4 25	0 04	0 18		2 17	6 [illegible]	6	12 86	14 44	6 17	27 82	26 04
		Nowadah	0 15	2 [illegible]	0 [illegible]	1 11	0 2	1 30	2 02	7	7 99	11 05	5 31	27 90	21 56
		Jehanabad		0 1	0 10	0 37		0 21	3 16	5	4 70	7 08	7 06	23 13	25 59
		Arwal		0 [illegible]		0 18		0 13	3 18	4	4 8	5 53	?	18 41	?
		Daudnagar		0 15					4 0	2	4 93	5 05	*	23 98	?
		Sherghati	0 25	0 51	0 15			2 85	6 00	5	9 75	10 77	*	21 57	?
		Rajauli											?		?
		Pakri Barawan		0 57		0 18	0 19	2 [illegible]	0 39	5	3 81	5 22	?	18 27	?
	Patna	Patna		[illegible]	0 [illegible]	0 39	0 02	0 6	0 38	6	4 19	5 84	6 00	24 62	26 03
		Dinapore	0 07	1 0	1 13				1 43	4	4 13	5 44	6 19	28 0	25 38
		Behar	0 12	[illegible] 1	1 11	0 21		0 56	2 [illegible]	6	4 91	10 72	[illegible]	33 76	26 65
		Barh		1 [illegible]	0 15	0 0		0 10	0 35	5	3 0[illegible]	3 [illegible]	5 43	27 67	24 7
		Bukram		1 10	0	1 3[illegible]		0 [illegible]	1 3[illegible]	5	4 40	5 40		19 01	?
		Hilsa	0 60	1	2 15	0 28		0 69	1 53	[illegible]	6 [illegible]	11,00	*	27 91	?
	Monghyr	Begoosarai		0 1	0	0 14	0 0[illegible]	0 04	1 47	6	1 95	3 04	5 86	23 10	24 68
		Monghyr	0 03	0 [illegible]	0 [illegible]	0 77	0 4	0 12	0 78	7	2 6	4 58	[illegible] 34	33 71	26 95
		Jamui		0 1	[illegible]		0 18	2 0	1 1[illegible]	6	4 3	[illegible] 75	7 51	23 47	28 16
		Gogri		0 [illegible]	1 1	0 37	0 2		0 35	5	3 32	5 51	?	32 28	?
		Sheikpura			0 30		0 5	0 62	3 12	4	4 32	8 67	*	34 67	*
	South Bhagulpore	Bhagulpore		0 [illegible]5	0 78	0 3	0 4	0 33	0 35	6	2 64	5 63	6 38	35 38	26 87
		Banka	0 34	0 0	1 1	1 13	1 52	0 83	0 77	7	7 17	9 97	6 66	23 08	26 97
		Kolgong		0 32	0 57	0 20	0 87		0 0	5	2 16	5 95		34 01	?
	Sonthal Pergunnahs	Rajmehal	0 27	1 18	1 4		1 [illegible]	1 [illegible]2	0 04	6	5 [illegible]	6 51	4 85	23 95	31 11
		Godda	0 04	0	0 [illegible]	6 10	2 [illegible]	[illegible]0	0 0	7	9 10	11 [illegible]	7 [illegible]	32 13	27 54
		Pakour	0 3	1 1	0	0 1[illegible]	1 97	0 [illegible]	0 [illegible]	7	5 31	7 87	5 16	36 22	31 45
		Nya Doomka	0 04	0 [illegible]	2 00	1 5	[illegible] 7	0 03	0 94	7	11 02	14 62	7 77	33 24	32 34
		Deoghur	0 03	18	0 [illegible]	1 0	1 [illegible]	0 [illegible]	0 43	7	5 71	7 53	7 88	29 91	31 35
		Jamtara	1 5	1	[illegible]	0 3	3 05	0 [illegible]	1 3[illegible]	7	8 [illegible]	11 7	7 [illegible]2	36 94	31 47
		Mahagama	1 05	1[illegible]	1 [illegible]	1 [illegible]	1 10	2 15	0 17	7	[illegible] 71	13 21		?	?
		Ambhas		1		1 13	[illegible] 11		0 09	4	4 [illegible]	6 [illegible]	?	20 08	*
CHUTIA NAGPUR.	Hazaribagh	Pachamba (*Giridi*)	0 3[illegible]	0 10	1 [illegible]	0 08	1 13	1 66	0 43	7	6 0[illegible]	9 47	7 66	30 95	29 94
		Hazaribagh	0 [illegible]2	0 13	2 1	0 06	0 [illegible]	1 45	7 [illegible]	7	11 91	14 88	8 10	37 99	29 76
		Semiguran	0 [illegible]	0 7	0 15	[illegible]	0 [illegible]	[illegible] 18	1 35	7	7 2	9 90	6 31	33 67	28 09
		Mahuda Hills	0 08	0 76	—	1 7[illegible]	0 03	4 37	1 01	6	8 03	13 20	7 15	28 35	28 56
		Jhoomrah Hill											8 48		38 16
		Burns		2 5	0 18	0 40	0 15	1 6[illegible]	2 75	6	7 38	9 1[illegible]	?	32 85	*
		Chitra	5	0 40	1 0[illegible]	0 [illegible]	0 03	2 62	2 3[illegible]	7	7 50	11 31	?	37 23	?
		Kargdeha		3 [illegible]			1 60						?		*
		Ramghur	0 3	0 [illegible]	1 5[illegible]	1 40	1 20	3 [illegible]0	2 50	7	11 19	16 68	?	32 74	*
	Lohardugga	Lohardugga	0 9[illegible]	0 78	0 93	1 [illegible]1	0 0[illegible]	3 25	0 34	7	7 00	11 12	8 32	30 96	32 95
		Ranchi		0 44		1 1	0 63	4 00					8 33		32 75
		Palamow	2 47	[illegible] 10	0 02	0 10		4 [illegible]3	0 51	6	8 23	13 78	6 40	36 62	26 06
		Sille		1 80			1 00	10 00	0 80	4	13 00	19 80	?		?
		Balumat											?		*
		Hosseinabad	0 03		[illegible] 01								?		?
		Gurwah	0 [illegible]	0 [illegible]	0 1[illegible]								?		*
	Singbhoom	Chyebassa	0 08			0 11		3 61	0 87	4	4 66	7 65	8 45	24 92	33 63
		Chakradharpore	0 44		0 03								?		?
		Ghatsilla	1 7[illegible]	0			0 20	1 00					?		?
		Baharagura					0 24	1 83					?		?
	Manbhoom	Purulia	[illegible]0	1 32	0 02	0 3	1 42	1 67	2 79	7	7 45	10 88	8 92	36 50	31 30
		Gobindpore	[illegible]	0 45	0 [illegible]	0 04	1 [illegible]	0 5[illegible]	2 41	7	5 [illegible]	8 34	7 [illegible]1	22 04	28 50
		Raghunathpore	[illegible]	3 [illegible]	0 0[illegible]	0 12	[illegible]	0 21	1 39	7	7 57	11 45	?	31 54	?
		Barrabhoom	0 47			1 00	0 60	2 08	3 15	5	7 30	11 23	?	34 99	?
		Jhalda											?		?
		Chas											*		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 21*st August* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 17TH OF AUGUST 1888.

AT the close of the previous week a feeble depression, which had for some days existed in the north-west angle of the Bay, had passed through South-West Bengal into Chutia Nagpur, and was rapidly passing away from the province. On Friday, the 10th, therefore ordinary monsoon conditions obtained in Bengal, and conditions were favourable for general rainfall. On the 11th, or the first day of the week under review, a very rapid fall of pressure took place in South-West Bengal, and another small depression was formed, the centre of which was between Saugor Island and Calcutta, the small storm being accompanied by a very distinct cyclonic circulation of winds. On the 12th the small storm had disappeared, though there was on this day a tendency to the formation of a low-pressure area, accompanied by slight circulation of winds, over the eastern part of South Behar. Conditions remained practically unaltered on the 13th, but on the 14th a rapid increase took place in the strength of the westerly component in the wind directions, and the easterly and south-easterly winds which were previously blowing were replaced by westerly and south-westerly winds in all districts except the extreme east and north of the province. A very rapid increase of pressure also took place in the western and south-western districts, and the area of minimum pressure was transferred to the southern districts of North Bengal, where also there existed a marked tendency to the setting up of a cyclonic circulation of winds By the morning of the 15th a distinct barometric depression had formed, accompanied by a fairly complete cyclonic circulation of winds, the centre of the depression being to the south-east of Bhagulpore On the 16th the depression had moved slowly in a westerly direction, and the centre was to the south or south-south-west of Bhagulpore, and on the 17th it had again moved in a westerly direction, and was lying over the western part of Behar and part of Chutia Nagpur, the centre being not very far from Gya and Hazaribagh, and slightly to the north or north-north-east of the latter station. Later on the depression passed out of the province in a westerly direction, but its further history will be described in the meteorology of the succeeding week.

Conditions, it will therefore be seen, have been particularly favourable for general and heavy rainfall throughout the week. With the formation of the first depression in South-West Bengal on the 11th, very heavy rain was brought to the stations in this area, and thus on this day Diamond Harbour received 4·38 inches, Kukrahaty (Midnapore district) 3·41 inches, Palamow 2·47 inches, and Tumlook (Midnapore district) 2·30 inches; while falls of from one to two inches were very general. For the following few days fairly general and moderately heavy rain continued to fall, but with the setting in of westerly winds, and the consequent interaction with the easterly winds previously blowing, and with the formation of the depression on the 15th, conditions again became particularly favourable for heavy rainfall. Thus on the 15th the following excessive falls were reported:—Rampore Haut 9·88 inches, Lalgola 7·52 inches, Meherpur 6·30 inches, Nya Doomka 6·07 inches, Beerbhoom Soory 5·64 inches, Mohesroka 5·50 inches Alipore 5·15 inches, and Jungipore 5·04 inches; while falls in excess of two, three and four inches were very common. On the 14th also Kishnaghur reported 6·78 inches, Rungamati 7·05 inches, and Chittagong 5·96 inches. With the gradual movement of the depression in a westerly direction, the area of heavy rainfall also shifted in the same manner, and on the 17th particularly heavy rain was received in South Behar and Chutia Nagpur; and thus on this day Gya reported 6·29 inches, Dehree 4·53 inches, Daudnagar 4·50 inches, Bhubooah 3·65 inches, Aurungabad 3·63 inches, Arwal 3·48 inches, and Nowadah 3·46 inches; while in other districts Patuakhally received 5·18 inches, Cox's Bazar 3·75 inches, and Kishnaghur 3·69 inches, and falls exceeding two inches were numerous. For the whole week, therefore, rainfall has been particularly heavy, and the falls have been largely in excess of the normal in all districts except Orissa and North Behar.

Pressure.—The variations of pressure during the week have already been alluded to in the description of the formation of the two depressions For the whole week the mean pressure has been below the normal by 0·056 inch, but the largest defects have been shown at the central and western stations, and thus Berhampore reports a defect of 0·078 inch, Burdwan one of 0·071 inch, and Gya one of 0·084 inch In Assam pressure has been below the normal by an average amount of 0·066 inch, though the largest defect is at Dhubri, where it equals 0·092 inch

Temperature—The variations from normal temperature, as a rule, have not been very large; the mean temperature has been in excess by a few tenths of a degree in Behar, North Bengal and Orissa; while it has been in defect by amounts varying up to about one degree in East and South-West Bengal and Chutia Nagpur. For the whole province for the week the mean temperature has been in defect of the normal by 0·2°. In Assam, on the other hand, there has been a general excess of 0·3°.

Rainfall.—As previously stated, rainfall has been very heavy during the week. East Bengal has received an average fall of between eight and nine inches, or nearly five inches in excess of the normal. South-West Bengal has received an average fall of 6·28 inches, or nearly three and-a-half inches in excess of the usual quantity. In Chutia Nagpur an average fall of 7·30 inches has been reported, or nearly five inches in excess of the normal. South Behar has averaged 5·91 inches, or more than three and a-half inches in excess of the

normal; while in North Bengal the falls have averaged nearly five inches, or about two inches more than usual. In North Behar an average fall of 2·55 inches is reported, which is almost the normal amount, but in Orissa the fall has only averaged 1·80 inches, which is about 30 per cent. less than the normal.

As instances of the very large falls which have been recorded in the week, it may be stated that Rungamati has received 18·98 inches, Rampore Haut 17·78 inches, Cox's Bazar 16·71 inches, Patuakhally 16·01 inches, Fenny 15·4 inches, Comillah 13·19 inches, Kishnaghur 13·17 inches, and Gya 12·86 inches; while falls in excess of ten inches have been reported at Diamond Harbour, Canning Town, Kukrahaty, Chooadanga, Bagirhat, Bhola, and Nya Doomka.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 17th of August 1888:—

Meteorological Divisions	Temperature						Rainfall									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	9[illegible]·3	75·1	87·4	79·0	83·2	+0·1	1·80	2·55	−0·75	3·8	4·2	−0·6	8·03	6·67	21·34	30·38
South-West Bengal	[illegible]1·3	75·2	87·2	78·4	82·8	−0·6	6·28	2·90	+3·38	5·6	4·5	+1·1	8·16	7·55	31·83	32·34
East Bengal	89·3	74·8	84·7	77·3	81·0	−1·0	8·40	3·70	+4·70	6·7	5·0	+1·7	10·30	9·62	48·50	48·40
North Bengal	[illegible]2·3	70·8	85·3	78·2	83·3	+0·4	4·63	3·10	+1·53	5·5	4·5	+1·0	6·81	7·84	39·56	45·16
North Behar	94·2	73·6	88·1	78·7	83·3	+0·8	2·55	2·52	+0·03	4·9	3·6	+1·3	5·53	6·53	27·80	29·55
South Behar	90·0	74·0	89·0	78·7	83·9	+0·4	5·91	2·27	+3·64	5·9	3·3	+2·6	7·31	6·50	28·04	27·03
Chota Nagpur	85·4*	69·4*	82·0*	72·6*	77·3*	−1·1*	7·30	2·43	+4·87	6·3	4·1	+2·2	11·01	7·75	31·89	30·82
Assam	91·6	75·3	88·2	77·3	83·0	+0·3										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 21st August 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 12th to 18th August 1888.

Month	Date	Temperature				Mean wet bulb.	Hygrometry			Rain
		Mean	Maximum	Range	Minimum.		Vapour tension	Dew point	Humidity.	
1888		°	°	°	°	°	Inches.	°	%	Inches.
August	12th	80·5	87·2	8·4	78·8	79·0	·972	78·4	93	0·06
"	13th	83·9	90·2	9·9	80·3	80·9	1·011	79·6	87	0·01
"	14th	83·1	86·7	6·1	80·6	80·5	1·002	79·3	87	
"	15th	77·9	87·8	11·8	76·0	77·7	·918	77·6	99	4·17
"	16th	79·2	86·2	10·4	75·8	78·2	·953	77·8	[illegible]	0·87
"	17th	79·8	84·9	7·6	77·3	78·0	·931	77·2	92	0·14
"	18th	80·7	87·0	8·2	78·8	79·1	·974	78·4	93	0·08

The mean temperature of the seven days	80·8°
The extreme variation of temperature	14·4
The maximum temperature	90·2
The mean relative humidity	92 %
The total fall of rain from 12th to 18th August 1888	5·33 Inches

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 20th August 1888.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipcre Observatory from 12th to 18th August 1888.

Month.	Date	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean	Temperature. Maximum.	Temperature. Range	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction	Wind. Miles recorded.	Rain	Weather.
1888		°		Inches	°	°	°	°	°	Inches	°	%			Inches.	
Aug	12th	115 5	Nil	29 494	82 2	82 7	4 3	78 4	79 8	0 987	78 8	90	SW by S and SSW	166	0 06	Cloudy, o, g, d
„	13th	147 5	1 2	553	84 5	89 2	9 0	80 2	81 0	1 012	79 6	85	SW and SSW ..	229	0 01	Cloudy, o, g, d
„	14th	120 5	Nil	597	82 8	85 8	5 7	80 1	79 9	0 982	78 7	87	SW and SS	174	1 38	Cloudy, o, g, d, p
„	15th	?	„	594	79 6	84 5	9 0	75 5	77 8	930	77 0	92	SW and variable	153	3 54	Cloudy, o, g, d, p, t, <, K
„	16th	134 6	„	615	80 0	83 8	8 6	75 2	78 0	935	77 2	91	SW and S by W	160	0 97	Cloudy, o, g, d, p
„	17th	145 6	„	503	81 2	84 3	7 3	77 0	78 3	932	77 1	88	SW, SSW and S	178	0 06	Cloudy o, g, d
„	18th	111 8	„	544	81 5	85 9	7 3	78 6	78 9	953	77 8	89	S by W and ESE	100	0 04	Cloudy, o, g, d

	Inches
The mean pressure of the seven days . .	29 543
The average pressure of the corresponding period for 24 years, S. G.'s Office	29 586
	Hours
The total number of hours of bright sunshine . .	1 2
The maximum possible number of hours of sunshine . . .	90 1
	°
The mean temperature of the seven days	81 7
The average temperature of the corresponding period for 24 years, S G.'s Office	83 0
The extreme variation of temperature	14 0
The maximum temperature	89 2
	Miles
The highest velocity of the wind in one hour . .	14
	lbs.
The highest pressure of wind on one square foot . .	6
	%
The mean relative humidity ...	89
The average relative humidity of the corresponding period for 24 years, S G.'s Office	87
	Inches
The total fall of rain from 12th to 18th August 1888	6 06
The average fall of the corresponding period for 24 years, S G 's Office	1 33
The total fall from 1st January to 18th August 1888	37 62
The average fall of the corresponding period for 24 years, S G 's Office	43 36

The mean pressure, temperature, &c , are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No 86, formerly at the Surveyor-General's Office

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, < lighting, K thunderstorm.

N B In the weekly report from 29th July to 4th August 1888, read 80·8 for 70 8 as the dew point of the 3rd August

A. PEDLER,
for Offg Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 20th August 1888.

MEMORANDUM.

The principal Municipalities in Bengal registered, during the week ending 4th August 1888, births and deaths at the rates of 19 4 and 23 9 per 1,000 of population, respectively, as opposed to 19· and 20 7 per 1,000, in the preceding week, indicating a large increase in the registration of deaths.

2. The following Municipalities returned the highest proportions of births and deaths:—

Births	Ratio per mille	*Deaths*	Ratio per mille
Comillah	12 3	Gya	57 4
Monghyr	37 0	Darjiling	45 6
Gya	32 2	Puri	35 7
Bhagulpore	31 7	Suburbs of Calcutta	50 2

3. In comparison with the results of the preceding week, there was a noticeable increase of mortality from fever and the maladies coming under the head of "Other causes," and only small differences in the casualty-rates from the rest of the death-causes *vide* figures given below:—

	Ratio per *mille* during the weeks ending— 4th August 1888.	28th July 1888.
Cholera	3 8	3 5
Small-pox	·1	
Fever	9 3	7 8
Bowel complaints	2 8	3 0
Injury	·7	3
Other causes	7 1	6 1

4 Some of the Municipalities appear to have suffered most from cholera, some from fever, and certain other from the diseases classed under the head of "Other causes" as exhibited below:—

Cholera	Ratio per mille	*Fever.*	Ratio per mille	*Other causes*	Ratio per mille
Puri	14 7	Darjiling	26·1	Gya	17 8
Gya	13 7	Gya	22·5	Mozufferpore	15 8
Chupra	12 7			Monghyr	13 5
Patna	7 5				
Suburbs of Calcutta	3 9				
Howrah	2 8				
Dacca	2 6				

5. The mortality referable to *Sex, Class* and *Age* stood as follows:—

According to Sex.	Ratio per mille	*According to Class.*	Ratio per mille	*According to Age.*	Ratio per mille.
Males	21 0	Christians	13 0	Under 1 year	259 0
Females	23 7	Hindus	27 2	1 and under 5 years	37 1
Ratio of male deaths to every 100 female deaths 114		Mahomedans	16 7	5 " 10 "	9 5
				10 " 15 "	12·2
				15 " 20 "	17 8
				20 " 30 "	13 4
				30 " 40 "	11 8
				40 " 50 "	16 5
				50 " 60 "	22 4
				60 years and upwards	50·4

D. D. Cunningham, M.B., *Surgeon-Major,*
Offg. Sanitary Commissioner for Bengal.

The 21st August 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 4th August 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan	Burdwan	18,063	16,017	34,080	8	5	13	12·2	7·6	19·8	160	1	...	10	1	1	2	15	1·5	...	15·3	1·5	1·5	3·0	22·9	16·8	12	3	34·5	9·7	400
Midnapore ...	Midnapore	16,927	16,633	33,560	3	4	7	4·6	6·2	10·8	75	...	...	2	1	...	5	8	...	...	3·1	1·5	...	7·7	12·4	12·4	5	3	15·4	9·4	166
Hughli	Hughli and Chinsurah ...	19,179	19,539	38,718	4	3	7	5·4	4·0	9·4	133	...	...	4	1	...	1	6	...	...	5·1	1·3	...	1·3	8·1	14·8	2	4	5·4	10·8	50
Serampore	Serampore	13,559	12,937	26,496	7	5	12	13·7	9·8	23·5	140	...	...	3	1	1	5	10	...	...	5·9	1·9	1·9	9·8	19·6	25·5	2	8	7·7	32·2	25
	Utterpara	3,046	2,464	5,510	...	...	...	...	...	...	......	1	...	1	...	...	...	2	9·4	...	9·4	...	...	...	18·9	9·4	2	...	34·1	...	No female death.
Howrah	Howrah	53,153	37,660	90,813	27	12	39	15·5	6·8	22·3	225	5	...	8	9	2	6	30	2·8	...	4·6	5·2	1·1	3·4	17·2	10·9	17	13	16·6	18·1	130
	Bali	7,836	6,979	14,815	3	3	6	10·5	10·5	21·1	100	...	...	2	...	...	...	2	...	...	7·0	...	...	...	7·0	17·5	2	...	13·3	...	No female death.
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	60	37	97	12·4	7·6	20·1	162	19	...	54	31	3	39	146	3·9	...	11·2	6·4	·6	8·1	30·2	28·1	81	65	28·6	32·4	124
Nuddea	Kishnaghur	13,263	14,214	27,477	1	2	3	1·9	3·7	5·6	50	...	...	...	...	...	1	1	...	...	...	...	...	1·9	1·9	9·4	1	...	3·9	...	No female death.
	Ranaghat	4,028	4,655	8,683	...	...	...	...	...	...	......	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·0	...	...	...	...	......
	Santipore	13,708	15,979	29,687	2	2	4	3·5	3·5	7·0	100	...	...	3	...	1	1	5	...	...	5·2	...	1·7	1·7	8·8	5·2	2	3	7·6	9·8	66
Jessore	Jessore	4,830	3,665	8,495	...	1	1	...	6·1	6·1	No male birth.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	...	...	...	...	......
Rajshahye	Rampore Beauleah ...	10,766	9,025	19,791	4	6	10	10·5	15·8	26·3	66	...	...	5	3	1	1	10	...	...	13·1	7·9	2·6	2·6	26·3	13·1	6	4	29·0	23·0	150
Darjiling	Darjiling*	5,029	2,947	7,976	1	2	3	6·5	13·0	19·5	50	...	...	4	2	...	1	7	...	...	26·1	13·0	...	6·5	45·6	32·6	4	3	41·4	52·9	133
Dacca	Dacca	42,782	37,379	80,161	11	3	14	7·1	1·9	9·1	366	4	...	9	1	1	10	25	2·6	...	5·8	·6	·6	6·5	16·2	13·6	16	9	19·4	12·5	177
	Naraingunj	7,605	4,956	12,561	2	3	5	8·3	12·4	20·7	66	...	...	1	...	...	2	3	...	...	4·1	...	...	8·3	12·4	33·1	1	2	6·8	21·0	50
Chittagong	Chittagong	13,340	8,790	22,130	1	...	1	2·3	...	2·3	No female birth.	...	...	1	...	...	...	1	...	...	2·3	...	...	...	2·3	2·3	1	...	3·9	...	No female death.
Tipperah	Comillah	8,153	5,353	13,506	6	5	11	23·1	19·2	42·3	120	...	...	1	2	...	...	3	...	...	3·8	7·7	...	...	11·5	19·2	2	1	12·7	9·7	200
Patna	Patna City	78,762	81,475	160,237	30	20	50	9·7	6·5	16·2	150	23	...	34	2	3	23	85	7·5	...	11·0	·6	1·0	7·5	27·6	17·2	49	36	32·4	23·0	136
Gya	Gya	38,290	37,831	76,121	22	25	47	15·0	17·1	32·2	88	20	1	33	3	1	26	84	13·7	·7	22·5	2·0	·7	17·8	57·4	36·9	39	45	53·0	61·9	86
Shahabad	Arrah	20,960	22,505	43,465	12	12	24	14·3	14·3	28·7	100	...	2	9	...	...	3	14	...	2·4	10·7	...	...	3·6	16·7	10·7	7	7	17·4	16·2	100
Mozufferpore ...	Mozufferpore	23,084	19,658	42,742	6	6	12	7·3	7·3	14·6	100	3	...	3	...	1	13	20	3·6	...	3·6	...	1·2	15·8	24·3	7·3	13	7	29·3	18·5	186
Durbhanga ...	Durbhanga	33,774	32,322	66,096	18	14	32	14·2	11·0	25·2	128	1	...	14	3	...	7	25	·8	...	11·0	2·4	...	5·5	19·7	12·6	10	15	15·4	24·0	66
Sarun	Chupra	26,044	27,205	53,249	5	7	12	4·9	6·8	11·7	71	13	...	5	1	...	3	22	12·7	...	4·9	1·0	...	2·9	21·5	27·3	13	9	26·0	17·2	144
Bhagulpore ...	Bhagulpore	29,640	27,813	57,453	13	22	35	11·3	19·9	31·7	59	...	...	18	...	...	11	29	...	...	16·3	...	...	9·9	26·2	22·6	14	15	24·6	28·0	93
Monghyr	Monghyr	28,154	29,366	57,520	27	14	41	24·4	12·6	37·0	192	...	...	8	6	3	15	32	...	...	7·2	5·4	2·7	13·5	28·9	33·4	15	17	27·7	30·1	88
Purneah	Purneah	8,463	6,553	15,016	1	1	2	3·4	3·4	6·9	100	...	...	...	3	...	2	5	...	...	...	10·4	...	6·9	17·3	10·4	4	1	24·6	7·9	400
Puri	Puri	13,247	11,537	24,784	4	1	5	8·4	2·1	10·5	400	7	...	4	1	1	4	17	14·7	...	8·4	2·1	2·1	8·4	35·7	79·7	4	13	15·7	58·6	30
	TOTAL ...	702,880	619,681	1,322,561	278	215	493	10·9	8·5	19·4	129	97	3	236	71	19	181	607	3·8	·1	9·3	2·8	·7	7·1	23·9	20·7	324	283	24·0	23·7	114

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	31	4		...	...	24·2	20·3	...	...	2	3	...	1	1	...	1	3	1	3	157·6	69·1	...	20·7	10·6	...	7·5	35·3	21·2	105·3
Midnapore ...	Midnapore ...	...	8		...	...	...	16·0	...	...	...	2	1	...	...	...	...	2	1	...	2	140·0	22·1	...	...	...	...	18·8	14·0	...	56·8
Hughli ...	Hughli and Chinsurah	...	5	1	...		...	8·2	7·6	...	...	2	2	...		...	1	...	...	...	1	110·3	39·0	...	...	...	6·8	...	...	...	20·7
Serampore ...	Serampore ...	...	9	1	...	...	...	18·5	55·4		...	1	1	...	...	...	3	...	...	3	2	73·2	28·8	...	...	...	27·1	...	...	81·5	74·8
	Utterpara ...	...	2	...	...	...	...	19·5	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	90·4	...	...	...	...
Howrah ...	Howrah ...	...	23	7	...		...	17·6	17·7	...	...	4	1	...	...	...	...	4	9	6	6	100·8	9·4	...	...	...	...	16·8	29·8	56·8	83·2
	Bali ...	...	2	...			...	7·8	...	...	...	1	...	...	...	...	...	...	...	...	1	143·6	...	...	...	...	...	...	...	...	71·0
24-Pergunnahs ...	Suburbs of Calcutta	1	109	45	...	...	12·8	31·7	24·2	...	...	20	13	6	5	8	21	17	16	13	15	316·5	41·8	15·8	14·5	23·1	18·5	17·2	24·5	30·8	65·7
Nuddea ...	Kishnaghur ...	...	1	...	...	...	...	2·8	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	15·9	...	...
	Ranaghat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Santipore ...	...	5	...	...	...		12·6	...	...	...	1	1	...	...		1	...	...	...	2	61·5	17·9	...	...	...	15·6	...	...	...	55·0
Jessore ...	Jessore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah	...	8	2	...	...		42·0	10·6	...	...	...	1	2	...	1	3	3	...	...	...	...	36·7	50·0	...	31·8	37·5	43·3	...	...	...
Darjiling ...	Darjiling ...	...	7	...	...	...	...	79·5	...	...	...	2	1	...	1	...	1	1	...	...	1	89·5	80·9	...	106·8	...	26·0	36·3	...	...	307·7
Dacca ...	Dacca ...	...	13	12	...	...	...	16·5	15·9	...	...	5	2	1	3	3	2	1	1	3	4	133·0	14·1	5·2	19·6	21·4	6·8	4·9	6·2	32·9	37·1
	Narainganj ...	...	3	...	...	...	...	24·7	...	...	...	2	...	...	...	...	1	...	...	...	...	372·8	...	...	...	...	13·5	...	...	...	...
Chittagong ...	Chittagong ...		...	1	...	...	...	...	3·4	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	11·2	...	...	...	...
Tipperah ...	Comillah ...	...	2	1	...	...	...	17·5	7·0		...	...	...		...	...	1	1	...	...	1	...	...	...	...	...	15·8	26·1	...	...	76·7
Patna ...	Patna City ...	1	74	16	...	...	146·5	52·3	12·7	...	...	15	22	4	7	5	6	6	5	4	8	217·2	78·4	12·4	25·3	23·3	10·8	13·4	13·8	14·7	30·4
Gya ...	Gya ...	...	76	8	...	...	...	65·8	25·9	...	...	53	12	...	4	5	7	6	5	...	12	9 4·2	96·6	...	39·9	49·6	24·7	24·5	26·6	...	121·2
Shahabad ...	Arrah ...	...	11	5	...	...	...	18·4	12·6	...	...	3	3	...	1	...	1	1	...	1	4	121·1	85·2	...	11·8	...	6·6	8·1	...	16·8	72·1
Mozufferpore ...	Mozufferpore ...	...	14	6	...	...	...	24·2	25·0	...	...	8	...	2	1	1	5	1	1	1	2	135·6	...	25·1	13·1	17·1	18·2	7·5	10·4	16·0	42·7
Durbhanga ...	Durbhanga ...	...	16	9		...	...	17·2	20·6	...	...	5	2	4	1	2	3	1	4	2	1	167·0	11·7	26·6	9·3	25·0	11·7	4·7	27·9	23·7	16·3
Sarun ...	Chupra ...	...	17	5	...	...	...	21·5	21·6	...	...	2	5	2	...	2	3	1	1	4	2	72·0	45·9	16·9	...	29·1	16·4	6·4	8·3	49·3	29·9
Bhagulpore ...	Bhagulpore ...	1	22	6	...	...	134·5	28·8	15·1	...	...	13	5	2	...	1	3	1	1	1	2	636·2	45·0	17·7	...	12·4	14·3	5·6	8·1	13·2	28·9
Monghyr ...	Monghyr ...	...	28	4		...	...	32·6	16·5	...	...	16	1	1	2	2	3	1	1	...	5	500·3	8·4	7·4	18·1	27·5	15·1	5·6	8·2	...	72·5
Purneah ...	Purneah ...	...	4	1	...	...	...	22·7	9·1	...	...	...	2	...	...	1	1	...	...	1	...	...	86·1	...	...	52·3	15·8	...	...	55·5	...
Puri ...	Puri ...	...	17	...	...	...	...	36·0	...	...	...	2	1	...	1	2	3	4	2	1	1	343·2	28·9	...	27·7	53·9	29·5	51·3	31·3	23·3	28·8
	TOTAL ...	3	478	126	...	...	13·0	27·2	16·7	...	...	151	79	24	27	34	70	52	51	41	78	259·0	37·4	9·5	12·2	17·8	13·4	11·8	16·5	22·4	50·4

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 21st August 1888.

D. D. CUNNINGHAM, M.B., *Surgeon-Major,*
Offg. Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee and Brahmapootra for the month of July 1888.

Date.	River Ganges.																River Bhagiruthee.		River Jellinghee.		River Brahmapootra.	
	Mirzapore.		Benares.		Buxar.		Dinapore.		Monghyr.		Sahebgunge.		Rampore Beauleah.		Goalundo.		Berhampore.		Sarupgunge.		Gowhatty.	
Distance. Miles.	From Allahabad 86		From Allahabad 134	From Mirzapore 48	From Benares 90		From Benares 177	From Buxar 87	From Benares 287	From Dinapore 110	From Benares 381	From Monghyr 94	From Benares 471	From Sahebgunge 90	From Benares 591	From Rampore Beauleah 120						
	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge	Height over mean sea-level.
1st ...	Below zero 1·35	204·97	Below zero 0·50	196·30	0·25	169·30	10·70	144·93	0·50	102·35	3·00	71·00	3·92	45·92	13·83	22·77	5·63	39·38	4·08	8·38	22·50	171·36
2nd ...	1·25	204·97	0·58	196·22	1·75	170·80	11·15	145·38	1·25	103·10	3·33	71·33	4·25	46·25	14·17	23·11	6·50	40·24	5·42	9·72	23·10	171·96
3rd ...	0·00	206·22	Above zero 2·08	195·88	2·25	171·30	12·00	146·23	2·67	104·52	3·92	71·92	4·67	46·67	14·42	23·36	7·29	41·03	7·17	11·47	23·75	172·61
4th ...	Above zero 2·33	208·55	2·83	199·63	5·50	174·55	14·40	148·63	3·42	105·27	4·75	72·75	5·17	47·17	14·50	23·44	7·75	41·49	8·58	12·88	24·10	172·96
5th ...	12·00	218·22	8·75	205·55	6·42	175·47	16·80	151·03	4·83	106·68	5·83	73·83	5·75	47·75	14·67	23·61	8·42	42·16	9·00	13·30	24·20	173·06
6th ...	9·50	215·72	10·50	207·30	7·92	176·97	17·80	152·03	8·50	110·35	7·08	75·08	6·62	48·62	14·83	23·77	9·37	43·11	9·42	13·72	24·60	173·46
7th ...	6·50	212·72	8·00	204·80	9·50	178·55	17·70	151·93	10·17	112·02	9·67	77·67	7·92	49·92	15·00	23·94	10·17	43·91	9·54	13·84	24·80	173·66
8th ...	5·25	211·47	6·50	203·30	8·75	177·80	17·50	151·73	10·67	112·52	11·25	79·25	9·33	51·33	15·17	24·11	11·67	45·41	10·00	14·30	25·00	173·86
9th ...	6·33	212·55	5·50	202·30	7·75	176·80	17·20	151·43	10·83	112·68	12·25	80·25	10·33	52·33	15·50	24·44	13·25	46·99	11·12	15·42	25·20	174·06
10th ...	8·00	214·22	7·00	203·80	7·50	176·55	16·70	150·93	10·58	112·43	12·67	80·67	11·00	53·00	15·83	24·77	14·12	47·86	12·08	16·38	25·60	174·46
11th ...	9·50	215·72	8·42	205·22	7·92	176·97	17·20	141·43	10·25	112·10	12·75	80·75	11·33	53·33	16·25	25·19	14·50	48·24	12·83	17·13	25·90	174·76
12th ...	11·50	217·72	10·50	207·30	8·83	177·88	17·80	152·03	10·58	112·43	12·67	80·67	11·46	53·46	16·42	25·36	14·79	48·53	13·25	17·55	26·20	175·06
13th ...	13·00	219·22	12·16	208·96	10·08	179·13	17·00	152·13	11·00	112·85	12·83	80·83	11·54	53·54	16·58	25·52	14·87	48·61	13·46	17·76	26·50	175·36
14th ...	13·75	219·97	13·25	210·05	11·25	180·30	18·30	152·53	11·17	113·02	13·17	81·17	11·83	53·83	16·83	25·77	14·92	48·66	13·46	17·76	27·00	175·86
15th ...	15·25	221·47	14·83	211·63	12·25	181·30	19·00	153·23	11·58	112·43	13·25	81·25	12·00	54·00	17·00	25·94	15·04	48·78	13·58	17·88	27·20	176·06
16th ...	16·75	222·97	16·00	212·80	13·25	182·30	19·60	153·83	12·17	114·02	13·58	81·58	12·08	54·08	17·00	25·94	15·17	48·91	14·46	18·76	27·40	176·26
17th ...	17·00	223·22	16·92	213·72	14·33	183·38	20·50	154·73	12·67	114·52	14·17	82·17	12·50	54·50	17·00	25·94	15·25	48·99	13·33	17·63	27·50	176·36
18th ...	17·50	223·72	17·17	213·97	15·25	184·30	21·15	155·38	13·42	115·27	14·50	82·50	13·00	55·00	17·00	25·94	16·00	49·74	13·46	17·76	27·30	176·16
19th ...	19·00	225·22	18·50	215·30	16·17	185·22	21·50	155·73	14·25	116·10	15·08	83·08	13·25	55·25	17·08	26·02	16·54	50·28	14·08	18·38	27·10	175·96
20th ...	20·75	226·97	19·92	216·72	17·33	186·38	22·50	156·73	14·50	116·35	15·50	83·50	13·75	55·75	17·42	26·36	17·00	50·74	15·21	19·51	27·10	175·96
21st ...	22·00	228·22	21·33	218·13	18·50	187·55	23·55	157·78	16·00	117·85	16·00	84·00	14·42	56·42	17·67	26·61	17·42	51·16	16·25	20·55	27·10	175·96
22nd ...	22·75	228·97	22·00	218·80	19·67	188·72	24·65	158·88	17·00	118·85	17·17	85·17	15·12	57·12	17·75	26·69	18·00	51·74	16·50	20·80	27·00	175·86
23rd ...	24·00	230·22	23·00	219·80	19·92	188·97	25·60	159·83	18·00	119·85	18·17	86·17	15·96	57·96	17·92	26·86	18·87	52·61	16·96	21·26	26·90	175·76
24th ...	24·42	230·64	23·50	220·30	20·42	189·47	26·45	160·68	18·67	120·52	19·00	87·00	16·92	58·92	18·25	27·19	19·67	53·41	17·33	21·63	26·90	175·76
25th ...	26·25	232·47	24·75	221·55	21·67	190·72	26·20	160·43	19·83	121·68	19·67	87·67	17·50	59·50	18·58	27·52	20·62	54·36	18·25	22·55	27·10	175·96
26th ...	27·50	233·72	26·00	222·80	23·17	192·22	27·60	161·83	20·33	122·18	20·67	88·67	18·50	60·50	18·75	27·69	21·67	55·41	19·25	23·55	27·20	176·06
27th ...	29·00	235·22	27·17	223·97	23·75	192·80	27·85	162·08	21·67	123·52	21·50	89·50	19·42	61·42	19·00	27·94	22·62	56·36	20·58	24·88	27·30	176·16
28th ...	33·75	239·97	32·00	228·80	25·83	194·88	28·10	162·33	21·92	123·77	22·17	90·17	20·12	62·12	19·17	28·11	23·37	57·11	21·25	25·55	27·50	176·36
29th ...	36·00	242·22	34·00	230·80	26·33	195·38	29·10	163·33	22·25	124·10	22·33	90·33	20·62	62·62	19·42	28·36	24·00	57·74	21·92	26·22	27·70	176·56
30th ...	38·75	244·97	37·00	233·80	27·58	196·63	29·60	161·83	23·25	125·10	23·00	91·00	21·12	63·12	19·83	28·77	24·54	58·28	22·50	26·80	27·80	176·66
31st ...	38·00	244·22	36·00	232·80	28·17	197·22	29·80	164·03	23·75	125·60	23·50	91·50	21·58	63·58	20·00	28·94	25·00	58·74	23·08	27·38	27·80	176·66

G. A. G. SHAWE,

Under-Secretary to the Government of Bengal.

The 21st August 1888.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 18th August 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 18th August 1888.			Week ending Saturday, the 20th August 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	270	68,705	1,085	636	1,16,850	2,011
Jute	27	14,950	265	53	26,350	475
Firewood	78	29,070	458	144	59,190	904
Other articles	575	1,37,775	2,030	824	1,78,555	2,907
Total ...	950	2,50,500	3,838	1,657	3,80,945	6,297

Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of July 1888, as compared with the same month of the previous year.

STAPLES.	1887.		1888.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1887.	1888.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	661	......	358	......	661	358	......	303
Cotton, raw	12	......	10	......	12	10	......	2
Cotton piece-goods—								
1.—European	31	......	48	1	31	49	18	......
Jute—								
2.—Gunny bags and cloths	4	......	4	1	4	5	1	......
Grains—								
1.—Wheat	3	......	......	......	3	......	......	3
2.—Rice	51	176	19	154	227	173	...	54
5.—Others	4	7	3	5	11	8	......	3
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	......	......	1	......	......	1	1	......
Leather, manufactured	......	......	1	......	......	1	1	......
Liquors—								
1.—Beer	1	......	1	......	1	1	......	......
2.—Wines	1	......	1	......	1	1	......	......
Metals—								
.—Iron	......	......	2	......	......	2	2	......
4.—Others	3	6	5	1	9	6	......	3
Oils—								
1.—Castor	......	......	1	......	......	1	1	......
2.—Kerosine	2	......	1	......	2	1	......	1
3.—Others	3	......	20	1	3	21	18	......
Provisions—								
1.—Ghee	4	......	1	......	4	1	......	3
2.—Dried fruits and nuts	......	......	......	3	......	3	3	......
3.—Others	......	6	4	43	6	47	41	......
Railway plant and rolling-stock	38	32	93	19	70	112	42	......
Salt	20	......	50	2	20	52	32	......
Oilseeds—								
2.—Mustard and rape	30	......	47	......	30	47	17	......
6.—Others	17	......	8	......	17	8	......	9
Silk, raw—								
2.—Indian	......	37	1	17	37	18	......	19
Silk piece-goods—								
2.—Indian	......	3	......	4	3	4	1	......
Stone and lime	......	......	11	......	......	11	11	......
Sugar—								
1.—Drained	15	......	19	......	15	19	4	......
2.—Undrained	5	......	14	12	5	26	21	......
Tobacco	5	1	14	......	6	14	8	......
Paper and pasteboard	......	......	1	......	......	1	1	......
All other articles of merchandise	100	100	69	21	200	90	......	110
Total ...	1,010	368	807	284	1,378	1,091	223	510

INCREASE. — Tons.

Cotton piece-goods—
(1) European 18
This increase is due to greater demand.

Oils—
(3) Others 18
This increase is due to the price of the mustard-oil being high.

Provisions—
(3) Others 41
This increase is due to greater export of jack-fruits.

Railway plant and rolling-stock 42
This increase is due to more materials carried during the month.

Salt 32
This increase is due to greater demand.

Oilseeds—
(2) Mustard and rape... 17
This increase is due to greater import, the bazar being high.

Stone and lime 11
This increase is due to greater demand for building purposes.

Sugar—
(2) Undrained 21
This increase is due to greater imports, the price being high in local market.

DECREASE.

Coal 303
This decrease is due to previous stock not being exhausted.

Grains—
(2) Rice 54
The decrease under this head is due to less export from intermediate stations.

Silk, raw—
(2) Indian 19
This decrease is due to less export.

The 17*th August* 1888. — R. G. MOOKERJEE, *Manager, Nalhati State Railway.*

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 11*th August* 1888, *on* 1,513¾ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	224,428	2,17,763 14 0	22,43,048 0	4,28,826 9 0	15,283 1 3	6,61,873 8 8	64,807½	75,135	139,942
Or per mile of railway ...	... ..	143 13 9	.....	283 4 7	10 1 6	437 3 10	... ..	... ..	.....
For previous 5 weeks of half-year	1,171,674	11,42,270 11 0	1,10,84,195 20	21,99,326 7 8	83,244 11 3	34,24,841 13 6	318,832½	395,321¾	714,155
Total for 6 weeks ...	1,396,102	13,60,034 9 0	1,33,27,243 20	26,28,153 0 3	98,527 12 6	40,86,715 5 9	383,640½	470,456¾	854,097
Comparison.									
Total for corresponding week of previous year	218,275½	2,07,242 12 8	19,00,638 30	3,83,320 11 0	16,363 15 1	6,06,927 6 9	64,354	72,251	136,605
Per mile of railway corresponding week of previous year ..	......	136 6 11	......	252 5 7	10 12 5	399 8 11	... ..	... ..	...
Total to corresponding date of previous year	1,527,202½	15,02,496 0 4	1,33,20,709 20	28,48,325 4 9	1,07,003 2 1	44,57,824 7 2	409,068	27,692	936,760

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 13th August 1887.			Receipts for week ending 11th August 1888.			Total receipts from 1st April 1887 to 13th August 1887.			Total receipts from 1st April 1888 to 11th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	6,06,927	400	1,513¾	6,61,874	437	1,519	1,68,65,373	584	1,513¾	1,60,19,642	557	......	8,45,731

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 11*th August* 1888, *on* 57¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,771	5,238 13 0	33,163 0	2,521 0 0	32 0 0	7,791 13 0	1,767	627	2,394
Or per mile of railway	188¼	91 9 5	580 0	44 1 2	0 8 11	136 3 6	... .	......	... .
For previous 5 weeks of half-year	46,096	21,132 15 0	1,70,003 10	11,834 12 0	126 6 0	33,094 1 0	8,397	3,657	12,054
Total for 6 weeks ...	56,867	26,371 12 0	2,03,166 10	14,355 12 0	158 6 0	40,885 14 0	10,164	4,284	14,448
Comparison.									
Total for corresponding week of previous year . ..	8,514½	4,201 14 0	31,170 20	1,901 0 0	38 12 0	6,141 10 0	1,753	641	2,394
Per mile of railway corresponding week of previous year ...	149	73 7 4	545 0	33 3 9	0 10 10	107 5 11	......	......	...
Total to corresponding date of previous year	69,163½	34,041 5 6	2,62,501 10	16,242 5 0	195 9 6	50,479 4 0	10,709	4,6[illegible]4	15,[illegible]

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 13th August 1887.			Receipts for week ending 11th August 1888.			Total receipts from 1st April 1887 to 13th August 1887.			Total receipts from 1st April 1888 to 11th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57¼	6,142	107	57¼	7,792	136	57¼	1,69,640	156	57¼	1,56,780	144	......	12,860

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 11th August 1888, on 12 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	2,863	467 7 0	8,904 20	202 4 0	9 9 0	739 4 0	417½	76	493½
Or per mile of railway		38 15 3		21 13 8	0 12 9	61 9 8	...	....	
For previous 5 weeks of half-year	15,455	2,657 5 0	35,310 20	850 4 0	51 4 0	3,558 13 0	1,908½	793	2,701½
Total for 6 weeks	18 318	3,124 12 0	44,215 0	1,112 8 0	60 13 0	4,298 1 0	2,326	869	3,195
Comparison									
Total for corresponding week of previous year	2 299	388 8 1	7,094 0	198 11 0	13 4 0	600 7 1	415	78	493
Per mile of railway corresponding week of previous year		32 6 0		16 8 11	1 1 8	50 0 7		......	......
Total to corresponding date of previous year	18,017½	2,076 0 5	53,196 0	1,337 2 0	55 1 9	4,368 4 2	2,490	609	3,099

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No XXI, Railway, dated 23rd July 1883.

Receipts for week ending 13th August 1887			Receipts for week ending 11th August 1888.			Total receipts from 1st April 1887 to 13th August 1887			Total receipts from 1st April 1888 to 11th August 1888.			Total increase in 1888	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs		Rs	Rs		Rs	Rs		Rs	Rs.	Rs.	Rs
12	600	50	12	739	62	12	18 969	83	12	20,137	88	1,168	.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 11th August 1888, on 74½ miles open.

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train-miles run		
	Number of passengers	Receipts.	Weight carried	Receipts.			Coaching.	Merchandise	Total
		Rs A P	Mds S	Rs A. P	Rs A P.	Rs. A. P			
Total traffic for the week	4 087	2 600 0 0	71 747 20	1 740 13 0	151 0 0	4 492 0 0	637	867	1 504
Or per mile of railway		34 12 3		23 5 4	2 0 5	60 0 11			
For previous 5 weeks of half-year	22 392	15 981 8 0	3,91 082 0	16,327 8 0	452 1 0	32 661 1 0	3 326	6 684½	10 010½
Total for 6 weeks	26,479	18,182 1 0	4 62 829 20	18 068 5 0	603 1 0	37,153 7 0	3 963	7 551½	11 714½
Comparison.									
Total for corresponding week of previous year	4 465½	2 038 3 10	65,121 0	1 909 2 0	95 6 6	5 002 12 4	702	914	1,616
Per mile of railway corresponding week of previous year		39 1 6		26 5 2	1 4 5	68 14 1			
Total to corresponding date of previous year	31 124½	23 847 10 11	5,02 642 0	15,038 12 0	593 8 9	39,479 15 8	4 515	6 997	11 512

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883

Receipts for week ending 13th August 1887			Receipts for week ending 11th August 1888			Total receipts from 1st April 1887 to 13th August 1887			Total receipts from 1st April 1888 to 11th August 1888			Total increase in 1888	Total decrease in 1888
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs		Rs.	Rs.		Rs.	Rs.		Rs	Rs.	Rs	Rs
74½	5,003	67	74½	4 492	60	74½	1,53,482	108	74½	1,42 748	100	......	10 734

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 11th August 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	16,216	4,318 7 0	1,955 20	74 4 0	8 0 0	4,400 11 0	935	33	968
Or per mile of railway		194 1 4		3 5 5	0 5 9	197 12 6	..	..	
For previous 5 weeks of half-year ...	100 525	24,931 10 0	16 694 30	608 9 0	26 1 0	25,506 4 0	4,625	303	4,928
Total for 6 weeks	116,741	29 250 1 0	18,650 10	682 13 0	34 1 0	29,966 15 0	5,560	336	5,896
Comparison									
Total for corresponding week of previous year	14 202½	3,260 8 0	2,729 10	106 7 0	15 6 0	3,382 5 0	924	44	968
Per mile of railway corresponding week of previous year		146 8 8		4 12 6	0 11 1	152 0 3			....
Total to corresponding date of previous year	110,174	26,438 0 3	24 582 30	935 8 0	34 10 3	27,408 2 6	5,913	323	6,236

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No XXI, Railway, dated 23rd July 1883

Receipts for week ending 13th August 1887			Receipts for week ending 11th August 1888.			Total receipts from 1st April 1887 to 13th August 1887			Total receipts from 1st April 1888 to 11th August 1888			Total increase in 1888	Total decrease in 1888.
Mean mileage worked.	Receipts	Per mile worked	Mean mileage worked.	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	*Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs		Rs.	Rs		Rs.	Rs.		Rs.	Rs.	Rs	Rs
22½	3,382	152	22½	4 401	198	22½	1,04,478	247	22½	1,14,274	270	9,796	...

EASTERN BENGAL STATE RAILWAY

(Including N. B, Dacca, K. and D, and Assam-Behar Sections)

Approximate Return of Traffic for week ended 11th August 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings	Traffic Train-miles run		
	Number of passengers	Coaching receipts	Weight carried.	Receipts.			Coaching.	Merchandise	Total.
		Rs A P.	Mds s.	Rs. A. P.	Rs. A P.	Rs. A. P.			
Total traffic for the week	116,424	48 792 0 0	5,70 597 0	1,66,847 0 0	14,417 0 0	2,30,056 0 0	21,000	23,500	44,500
Or per mile of railway	173	73 0 0	849 0	248 0 0	*4 0 0	345 0 0			
For previous 5 weeks of half-year ..	618,485	2,62 379 0 0	22,37,979 0	4 51,474 0 0	62,897 0 0	7,76 750 0 0	109,648	98,939	208,587
Total for 6 weeks	734 909	3,11,171 0 0	28 08,576 0	6,18,321 0 0	77,314 0 0	10,06,806 0 0	130,648	122,439	253,087
Comparison.									
Total for corresponding week of previous year	104,653	44,462 0 0	4,81,317 0	1,16,205 0 0	20,090 0 0	1,80,757 0 0	20,555	21,363	41,918
Per mile of railway corresponding period of previous year	163	69 0 0	746 0	180 0 0	*20 0 0	269 0 0	...	...	..
Total to corresponding date of previous year	731,856	3,09,063 0 0	28,86 785 0	5,40,261 0 0	73,556 0 0	9,22,879 0 0	128,918	116,240	245,158

* Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 13th August 1887			Receipts for week ending 11th August 1888			Total receipts from 1st April 1887 to 13th August 1887.			Total receipts from 1st April 1888 to 11th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,80,757	280	672	230,056	342	645	27,69,883	226	674	*29,55,723	231	1,85,840	.. ..

* Audited up to 30th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 11th August 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds s	Rs. A P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	23,146	7,430 0 0	27,378 0	2,460 0 0	90 0 0	9,960 0 0	3,830	1,870	5,700
Or per mile of railway	185	59 0 0	219 0	20 0 0	1 0 0	80 0 0	..	..	......
For previous 5 weeks of half-year	124,097	38,790 0 0	1,63,862 0	11,072 0 0	382 0 0	56,244 0 0	19,137	9,323	28,460
Total for 6 weeks	147,243	46,220 0 0	1,91,240 0	13,532 0 0	472 0 0	60,224 0 0	22,967	11,193	34,160
Comparison									
Total for corresponding week of previous year	23,195	7,799 0 0	37,102 0	3,584 0 0	28 0 0	11,411 0 0	3,619	1,591	5,210
Per mile of railway corresponding period of previous year	186	62 0 0	297 0	29 0 0		91 0 0	..	..	......
Total to corresponding date of previous year	154,114	50,402 0 0	2,16,210 0	16,148 0 0	433 0 0	66,983 0 0	25,296	9,514	34,810

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 13th August 1887.			Receipts for week ending 11th August 1888			Total receipts from 1st April 1887 to 13th August 1887.			Total receipts from 1st April 1888 to 11th August 1888			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs	Rs		Rs	Rs.		Rs	Rs.		Rs	Rs.	Rs.	Rs.
125	11,411	91	125	9,960	80	125	2,42,969	102	125	*2,19,691	92	.	23,278

* Audited up to 30th June 1888

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 11th August 1888, on 86 miles open

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train-miles run.		
	No of passengers	Coaching receipts	Weight carried	Receipts			Coaching	Merchandise.	Total.
		Rs A P	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week ..	11,278	3,540 0 0	6,568 0	433 0 0	611 0 0	4,584 0 0	2,783	322	3,105
Or per mile of railway	131	41 0 0	76 0	5 0 0	7 0 0	53 0 0			
For previous 5 weeks of half year	61,018	19,955 0 0	34,405 0	2,162 0 0	514 0 0	22,631 0 0	11,589	3,933	15,522
Total for 6 weeks	72,296	23,49[illegible] 0 0	40,973 0	2,595 0 0	1,125 0 0	27,215 0 0	14,372	4,255	18,627
Comparison									
Total for corresponding week of previous year	11,984	3,762 0 0	[illegible] 0	774 0 0	72 0 0	4,608 0 0	2,599	385	2,984
Per mile of railway corresponding period of previous year	139	44 0 0	141 0	9 0 0	1 0 0	54 0 0		..	
Total to corresponding date of previous year	67,785	21,764 0 0	57,198 0	3,565 0 0	1,042 0 0	26,311 0 0	16,626	3,124	19,750

FINANCIAL YEAR

Approximate Statement of gross receipts of the Dacca State Railway

Receipts for week ending 13th August 1887			Receipts for week ending 11th August 1888			Total receipts from 1st April 1887 to 13th August 1887			Total receipts from 1st April 1888 to 11th August 1888			Total increase in 1888-89.	Total decrease in 1888-89
Mean mileage worked.	Receipts	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs		Rs	Rs		Rs	Rs		Rs	Rs	Rs	Rs
86	4,608	54	86	4,584	53	86	92,070	56	86	90,628*	55		1,442

* Audited up to week ending 30th June 1888

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 11th August 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,678	839 0 0	21,843 0	1,255 0 0	20 0 0	2,114 0 0	546	546	1,092
Or per mile of railway	69	21 0 0	560 0	32 0 0	1 0 0	54 0 0	......	......	......
For previous 5 weeks of half-year	14,610	4,715 0 0	94,082 0	7,471 0 0	115 0 0	12,301 0 0	2,730	2,730	5,460
Total for 6 weeks ...	17,288	5,554 0 0	1,15,925 0	8,726 0 0	135 0 0	14,415 0 0	3,276	3,276	6,552
Comparison.									
Total for corresponding week of previous year	2,414	802 0 0	6,085 0	441 0 0	70 0 0	1,313 0 0	546	546	1,092
Per mile of railway corresponding period of previous year...	62	21 0 0	156 0	11 0 0	2 0 0	34 0 0	......	......	......
Total to corresponding date of previous year	19,729	6,036 0 0	62,593 0	5,451 0 0	299 0 0	12,356 0 0	3,652	3,432	7,084

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 13th August 1887.			Receipts for week ending 11th August 1888.			Total receipts from 1st April 1887 to 13th August 1887.			Total receipts from 1st April 1888 to 11th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	1,313	34	39	2,114	54	39	52,433	71	39	*58,379	7	5,946	......

* Audited up to week ending 30th June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 11th August 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,471	885 0 0	10,124 0	577 0 0	11 0 0	1,473 0 0	509	254	763
Or per mile of railway	91	33 0 0	372 0	21 0 0	......	54 0 0	......	......	...
For previous 5 weeks of half-year	14,208	5,285 0 0	34,495 0	2,325 0 0	41 0 0	7,651 0 0	2,545	1,270	3,815
Total for 6 weeks ...	16,679	6,170 0 0	44,619 0	2,902 0 0	52 0 0	9,124 0 0	3,054	1,524	4,578
Comparison.									
Total for corresponding week of previous year	2,616	872 0 0	7,349 0	419 0 0	15 0 0	1,306 0 0	509	363	872
Per mile of railway corresponding week of previous year ..	97	32 0 0	270 0	15 0 0	1 0 0	48 0 0	......	......	......
Total to corresponding date of previous year	20,870	7,306 0 0	47,577 0	3,219 0 0	175 0 0	10,700 0 0	3,236	2,051	5,287

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 13th August 1887.			Receipts for week ending 11th August 1888.			Total receipts from 1st April 1887 to 13th August 1887.			Total receipts from 1st April 1888 to 11th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,306	48	27½	1,473	54	27½	33,996	66	27½	35,329	68	1,333	......

TIRHOOT STATE RAILWAY

Approximate Return of Traffic for the week ending 11th August 1888, on 259 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried	Receipts.			Coaching.	Merchandise.	Total.
		Rs A P	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week on 259 miles open	34,103	11 039 0 0	1,12 185 0	7 451 0 0	2 488 0 0	20 978 0 0	5,052	4,667	9,719
Or per mile of railway	133	42 0 0	433 0	29 0 0	3 0 0	71 0 0*			
For previous 5 weeks of half-year	165,490	55,736 0 0	7,18,594 0	56 637 0 0	12,041 0 0	1,25 314 0 0	28 251	25,096	53,947
Total for 6 weeks	199 593	66 775 0 0	8 30,779 0	64,088 0 0	15 429 0 0	1,46,292 0 0	33 903	29,763	63,666
Comparison									
Total for corresponding week of previous year on 249 miles open	30,570	9 993 0 0	94 054 0	8 663 0 0	3 178 0 0	21 828 0 0	5,197	5,198	10,395
Per mile of railway corresponding week of previous year	123	40 0 0	378 0	35 0 0	4 0 0	79 0 0*	...	...	...
Total to corresponding date of previous year	221 575	73 152 0 0	8 64 833 0	70 718 0 0	21 851 0 0	1,67,024 0 0	39,803	33,155	72,958

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR

Approximate Statement of gross receipts of the Tirhoot State Railway

Receipts for week ending 13th August 1887			Receipts for week ending 11th August 1888			Total receipts from 1st April 1887 to 13th August 1887			Total receipts from 1st April 1888 to 11th August 1888			Total increase in 1888-89	Total decrease in 1888-89
Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked.	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs		Rs	Rs.		Rs	Rs.		Rs	Rs	Rs	Rs.
249	21 821	88	259	20 978	81	249	6 32,357	132	259	6 50 017	130	17 590	... .

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REGISTERED No. 29.

No. 35 of 1888.

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CONTENTS.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE ORISSA DIVISION FOR THE YEAR 1887-88.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 24th August 1888.

READ—

The General Administration Report of the Orissa Division for the year 1887-88.

The report is submitted by Mr. Worsley, the Officiating Commissioner, who was also in charge of the Division during nearly four months of the year. For the remainder of the year Mr. Metcalfe, whose illness at last compelled him to take leave, was in charge.

2. Although the rainfall was less abundant, and the outturn of crops smaller than in the previous year, the harvest throughout the Division generally, except in the Pooree district, was not below the average. In some places of the Pooree district there was a complete failure of the principal crops. Not only was the rainfall deficient and untimely, but destruction was caused in some quarters by the rivers, which are insufficiently protected, breaking through or topping their embankments and flooding the surrounding country. It was at one time thought that it would be necessary to open relief works; but later enquiries showed that, though the failure in limited areas had not been exaggerated, the crops from neighbouring places were sufficient to keep the markets supplied with grain at moderate prices, and the demand for labour was always enough to provide even the poorest classes with purchasing power for their immediate wants. Unfortunately during the present year the rainfall has been again deficient in the same localities, and the condition of a portion of Khoorda, and of a tract of the Sudder sub-division along the southern shore of the Chilka Lake, is now a source of considerable anxiety to Government.

3. The year shows an increase in mortality principally from cholera in the Pooree district. The absence of sufficient sanitary precautions resulted as

usual in the disease assuming an epidemic form among the pilgrims to nath. The Lodging-house Act at Pooree does not appear to have been nistered with sufficient strictness. Since the close of the year this Act has been extended to Chandbally, and the proposal of extending it to the whole length of the Trunk Road is under consideration.

4. There is a further decline in the total value of trade in all three districts as follows:—

	Balasore	Cuttack—False Point	Pooree.
	Rs.	Rs.	Rs.
1885-86 ...	1,44,48,262	31,96,423	3,75,630
1886-87 ...	1,27,60,381	21,78,054	3,12,379
1887-88 ...	1,22,57,221	14,88,560	2,99,803

These are the statistics of sea-borne trade only. No statistics of inland or internal trade are available, but it is surmised by the Collector of Balasore that the decrease above shown in his district may be partly due to diversion of the trade to the Coast Canal which was opened for traffic during the year. There was a considerable decrease also in passenger traffic from 149,660 to 122,093, which is ascribed to the alarm excited among pilgrims by the loss of the S. S. *Sir John Lawrence*.

5. The land revenue collections were extremely satisfactory in the Cuttack and Balasore districts, but in Pooree there is a heavy outstanding balance principally from the Khoorda Government Estate, attributed to the badness of the season. The receipts from Stamps, Excise, and Income-tax show little or no change. The Excise revenue in the Division is mainly derived from opium and ganja. Out of a total revenue of Rs. 5,30,250, the sum of Rs. 3,58,685 was obtained from opium alone.

6. The percentage of the school population on the boys of school-going age is in Balasore 51, Cuttack 50, and Pooree 30. This, it is believed, is a much higher result than is obtained in most districts in Bengal. Female education, on the other hand, is comparatively backward, the percentage in the whole Division of girls under instruction to the female population of school-going age being only 1·9. On the subject of Mahomedan education, the Commissioner observes that in almost all the important places in Orissa where the Mahomedan element preponderates, the figures show that the Mahomedans are fully equal in educational advancement to the Hindus, and that generally speaking the higher the class of instruction, the more favourable is the percentage of Mahomedan pupils. It must be borne in mind, however, that Orissa is distinctively a Hindu province, the number of Mahomedans being comparatively few in all the districts, and that the total number of Mahomedan boys at school is only 3,065. Having regard to this circumstance, Mr Worsley is of opinion that due consideration is given to the claims of Mahomedans to appointments in the public service.

7. The Temple of Juggernath is under the management of the Dowager Rani of Pooree. The suit which had been instituted for its better management under section 539 of the Civil Procedure Code has been settled out of Court. It is said that there were 20,000 people present during the Car festival at the end of June, 50,000 people during the Punchak festival at the end of October, and 16,000 at the Doljatra in February last.

8. From Cuttack the Magistrate reports that the District Board and Municipal Committees are fairly attended, and that the members appear to take interest in their work. In Pooree and Balasore the general interest is less than elsewhere; but in Balasore it is said that "in each Committee there are a few very active and public-spirited members." Regarding the conduct of zemindars, Mr. Worsley says that, though he has not had many opportunities of acquiring direct knowledge on the subject, his experience and observation lead him to believe that the Division is an exceptionally quiet one, and that there are probably few estates in which anything like serious oppression prevails. The following zemindars are specially mentioned for their liberality or good conduct:—Rai Baidya Nath Pundit Bahadur, of Killah Durpan, Cuttack; the Raja of Parikud, Pooree; and Raja Shyamanund De Bahadur of Balasore.

9. The opinion of the Commissioner on the merits of the officers employed in the Division has been communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

EMPLOYMENT OF MAHOMEDANS IN THE PUBLIC SERVICE.

GENERAL DEPARTMENT—EDUCATION.

Calcutta, the 28th August 1888.

READ—

Memorial from the Central National Mahomedan Association, dated the 2nd July, 1888, and previous correspondence regarding the employment of Mahomedans in the public service.

In 1882 the Central National Mahomedan Association submitted a memorial pointing out the depressed condition of Mahomedans in Bengal, its causes, and the remedial measures which, in the opinion of the Association, were required. Upon this memorial the Government of India in the Home Department recorded a Resolution, dated the 15th July, 1885, in which it was observed that in every province admission to the superior departments in the Service of Government was, as a rule, regulated either by public competition, or by the possession of qualifications altogether independent of the race or creed of the candidate, and that, in the opinion of the Governor-General in Council, it was neither desirable on general grounds, nor for the advantage of Mahomedans themselves, that they should be exempted from the tests established to secure the admission of duly qualified candidates into the public service, or that any special favour should be shown them in open competitive examinations of any kind. The following remarks, however, followed in paragraph 22 of the Resolution:—

"There are a large number of appointments the gift of which lies in the hands of the Local Governments, the High Courts, or local officers. The Governor-General in Council desires that, in those provinces where Mahomedans do not receive their full share of State employment, the Local Governments and High Courts will endeavour to redress this inequality as opportunity offers, and will impress upon subordinate officers the importance of attending to this in their selection of candidates for appointments of the class last referred to."

With reference to these remarks, instructions were issued to Commissioners, on the 7th October, 1885, and the 7th April, 1886, to furnish in their annual general reports statistics of the employment of Mahomedans in the public service, and it was further directed that the subject should be noticed in the Provincial Administration Report.

2. Another memorial has now been received by Government from the Central National Mahomedan Association, dated the 2nd July, 1888, in which the Association, after referring to the orders passed, state that, in spite of those orders, and in spite also of the fact that English education has decidedly progressed among Mahomedans, the condition of their co-religionists has in no way improved, but that, on the contrary, it has been ascertained by means of statistics furnished from the different districts in Bengal, and enquiries made in several departments, that, instead of an improvement, there has been an appreciable retrogression.

3. To the Lieutenant-Governor it would be a matter of very great concern to find that any such retrogression had taken place. Neither the statistics to which the memorial refers, nor the nature of the enquiries undertaken by the Association, have been communicated; so that the Lieutenant-Governor is unaware of the exact ground which they cover, or of the relative importance to be attached to them.. The general result, however, is at variance with the statistics on the subject submitted by the Commissioners in ordinary course in their annual administration reports. The information which has been received from six divisions enables a comparison to be instituted of the number of Mahomedan officers in superior service during the two years 1886-87 and 1887-88, and the result of this comparison is shown in the following statement:—

Name of Division	Number of Mahomedan officers in superior service during 1886-87	Number of Mahomedan officers in superior service during 1887-88	Increase	Decrease
Burdwan	425	388	......	37
Dacca	558	644	86	......
Rajshahye	654	684	30	......
Chittagong	161	174	13	......
Bhagulpore	504	1,634	1,130	......
Chota Nagpore	220	419	199	......

The Lieutenant-Governor has already observed in the Government Resolution on the Report of the Commissioner of the Bhagulpore Division that there is apparently a mistake in the figures furnished, due possibly to an error in classification, as it is scarcely possible that the increase in the number of Mahomedan employés can have been as large as the figures indicate; but in all the other divisions the figures are accepted, and these show that everywhere, except in Burdwan, there has been a satisfactory increase. The Commissioner of Burdwan states that he has drawn the attention of Collectors under him to the falling off in his division, and observes that, in his opinion, enough has not been done in the direction of introducing Mahomedan apprentices into Government offices; but he adds that though Mahomedan candidates for the higher posts, such as that of Mohurir, are forthcoming, he finds a great lack of such candidates for apprenticeships. In other words, it would appear that these applicants for employment are unwilling to begin at the foot of the ladder, and, if this is anything more than an accident of time and place, the Association will doubtless take steps to have the difficulty overcome. From the Presidency Division no statistics are furnished, nor are details given for the Patna Division; but it is stated that the number of Mahomedans in superior service was greater than in the previous year. In the case of the Orissa Division, no figures are given for the district of Cuttack; but in the districts of Balasore and Pooree there was a decrease from 73 to 60. As Orissa is distinctly a Hindoo province, the question raised is of less importance there than in other parts of Bengal. These figures on the whole indicate certainly no retrogression; but, as before observed, without knowing how far the statistics referred to by the Association cover the same ground with reference to departments and classes of Government servants, as those of the Commissioners', it is impossible for the Lieutenant-Governor to institute any comparison between them. He is inclined *primâ facie* to accept the indications, offered by the Commissioners' figures, that there has been a substantial improvement in the encouragement now given to the employment of Mahomedans in Government offices, and that the orders of Government have generally received due attention; but, if the Association can show in regard to particular districts or departments that this is not the case, he will be prepared to give further consideration to the matter.

4. The memorial of the Mahomedan Association contains also a protest against the introduction of competitive examinations for the selection of candidates for various services. On this point the Lieutenant-Governor has nothing to add to the observations of the Government of India, which have been recorded in their Resolution already quoted, and are definitely accepted as an enunciation of the principles by which the policy of Government in this connection should be guided.

5. The memorialists conclude their petition with an earnest appeal to the Lieutenant-Governor "to see that the claims of the Mahomedans are properly recognised, and to issue peremptory directions that the Government Resolutions above referred to shall be strictly carried into effect." About the general policy of the Government on this subject there is no room for doubt or error. The only question can be as to the extent to which existing orders have been carried out. A copy of this Resolution will be circulated to the Commissioners of Divisions and the heads of departments in order again to draw their attention to the matter, and to remind the former to be careful to furnish in their Administration Reports full information on the subject. The Lieutenant-Governor does not consider it necessary that the reports on this subject, which are now submitted annually, should be changed to half-yearly statements.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE REPORT FROM THE BOARD OF REVENUE ON THE WORKING OF THE CALCUTTA SHIPPING OFFICE AND OF THE SHIPPING OFFICES AT THE SEVERAL OUT-PORTS DURING THE YEAR 1887-88.

No. 1347Marine.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

RESOLUTION.

Dated Calcutta, the 27th August 1888.

READ—

The Annual Report on the working of the Calcutta Shipping Office, and of the Shipping Offices at the several outports, for the year 1887-88.

The working of the Calcutta Shipping Office was satisfactory during the year under review. The receipts amounted to Rs. 26,406, against Rs. 25,710, the figures of the previous year, and the net profits, Rs. 5,465, exceeded those of any of the four years ending with 1886-87. The increase in the receipts was mainly under the head of Sale of Discharge Certificates, and is said to be due to the introduction of the system of continuous discharges. This system, which was introduced into the Port of Calcutta shortly before the close of the year 1886-87, appears to have gained popularity, and is said to have improved the condition of native seamen. Nearly 50 per cent. of these seamen shipped during the year were engaged with continuous discharges. The charges amounted to Rs. 20,941, against Rs. 20,523, the figures of the preceding year.

2. The receipts on account of the funds held in trust by the Shipping Master declined, with the exception of ticket money and deposit money of native seamen. The decrease was largest under the head Deposit Money of British seamen. The decrease under this head is attributed to the facts that a large number of European seamen having been discharged and re-shipped on the same day, no part of their wages was deposited in the office, and that sanction is refused to the discharge of any seaman, whenever there is a large number of seamen on shore, unless some other employment has already been secured for him.

3. The numbers of the seamen shipped and discharged through the Shipping Office rose from 14,008 and 13,888 in 1886-87 to 15,079 and 14,064 respectively during the past year. The number of desertions was 170 as compared with 217, the figures of the previous year. The decrease is said to be due to some extent to the willingness of masters of ships, the crews of which had signed articles to be paid at contract rates of exchange if discharged in India, to discharge them, thus removing the chief incentive to desertion.

4. There was a heavy decline in the amount remitted home by seamen's money-orders. The figures for the past five years are £7,069, 2,556, 1,318, 600, and 525. The decrease is said to be due to the high rate of exchange ruling for such orders.

5. The practice of paying seamen's wages in India at a fixed rate of exchange has increased, but it is confined chiefly to sailing ships coming from the United Kingdom. Out of 16,728 seamen who visited the port during the past year, 5,632 had signed agreements to receive their wages at a fixed rate of exchange if discharged in India, and of this number 1,811, or 32 per cent., were actually discharged and paid off at this port. The Lieutenant-Governor trusts that the Board of Trade's instructions to Superintendents of Mercantile Marine Offices, and the notices to seamen on the subject, which have been widely circulated, will prove a remedy for this state of affairs.

6. The receipts of the Chittagong Shipping Office amounted to Rs. 343 against Rs. 161 in the previous year. This increase was owing to the discharge of a larger number of British seamen, due in its turn to the wreck of the ships

Earl of Jersey and *Haddington*, and to an increase in the number of European ships visiting the Port. A sum of Rs. 15,363 was received on account of the wages of discharged British seamen, and of this amount Rs. 7,245 were remitted to the Shipping Master of Calcutta. Wages of discharged seamen have hitherto been remitted by transfer receipts. The question of allowing this privilege to continue is now under consideration in the Financial Department, and a copy of the Shipping Master's remarks will be forwarded to that Department.

7. Three seamen were discharged at Balasore during the year. At False Point and Pooree no seamen were shipped or discharged.

By order of the Lieutenant-Governor of Bengal,

C. W. I. HARRISON, *Lieut.-Col.*, R.E.,

Offg. Joint-Secretary to the Govt. of Bengal,
P. W. Dept.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 25th August 1888.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
		BENGAL.		
		Western Districts.		
Burdwan Divn.	1	Burdwan August 25, '88	4·86	Weather—bright and windy after 10 days' continuous rain. All good. Some damage done by floods. Prices stationary.
		Cutwa ...	7·28	
		Ranigunge ...	7·95	
	2	Bankoora „ 25, '88	6·91	Weather—seasonable. There has been heavy and continuous rainfall in the last week. Young rice plants and sugarcane are thriving. The prospects of the crops are now good.
	3	Birbhum „ 25, '88	5·24	Weather—cold, wet and inclement. The incessant rain has been more than was required, and has done some damage by inundations; otherwise cultivation has made great progress.
		Rampur Haut ...	1·72	
	4	Midnapur „ 25, '88	10·57	Continuous rain on 23rd and 24th; total for the two days 9·95 inches. River in heavy flood. Crops are so far doing well, though rather backward in the south.
	5	Hugli „ 25, '88	8·70	Weather—wet and stormy. The rain of 24th has flooded the low lands and damaged the rice crop thereon.
		Serampur ...	8·11	
		Jehanabad ...	3·84	
		Howrah „ 27, '88	14·21	Rain throughout district. State and prospects of crops good. Reaping of *aus* paddy and jute progressing.
		Ooloobaria ...	19·64	
		Central Districts.		
Presidency Divn.	6	24-Perghs. August 28, '88	13·46	Heavy rainfall during the week, attended with strong gale. The heavy rain has damaged the rice crops in many places. In the Diamond Harbour sub-division the paddy plants are reported to have been completely submerged. Transplantation of *amun* and harvesting of *aus* have been retarded owing to the heavy rain.
	7	Nuddea „ 25, '88	8·68	Weather—rainy with wind from east; stormy on 24th. *Aus* harvest going on; much *aus* has been lost on the chur lands by inundation. *Amun* prospects fair if inundation does not extend.
		Kushtea ...	2·55	
		Meherpur ...	2·04	
		Chooadanga ...	2·35	
		Ranaghat ...	4·64	
	8	Khoolna „ 25, '88	1·52	Weather—showery, with high winds at times. State and prospects of crops generally good, but the effect of the high winds is not yet known.
	9	Jessore „ 25, '88	4·54	Heavy rain with strong winds. Prospects of standing crops good in all sub-divisions except in Magura, where they are said to have been partially damaged by the rain and cyclonic wind of the week.
		Jhenidah ...	2·15	
		Magoora ...	3·08	
		Narail ...	1·36	
		Bongong ...	4·90	
	10	Moorshedabad „ 25, '88	4·00	Weather—beginning of the week rainy; overcast with mist and high east wind on the 23rd and 24th; alternate sun and rain from this morning (25th). *Aus* has nearly all been cut. Prospects of *amun* favourable. In the Jangipore sub-division *aus* getting submerged by gradual rise of river. Bhagiruthee full to the brim, the rise at the gauge being 29′ 3″.
		Kandi ...	4·73	
		Jangipore ...	2·07	
Rajshahye Divn.	11	Dinagepur „ 25, '88	1·23	Weather—windy with constant showers. Recent rain has enabled cultivators to push on transplantation of *haimanti* rice, and prospects have improved.
		Thakurgaon ...	2·62	
	12	Rajshahye „ 25, '88	0·92	Cyclonic weather prevailing since night of 22nd. The atmosphere has somewhat brightened this morning (25th). Recent rain has done good to the crops in general. Prospects favourable.
		Nattore ...	1·50	
	13	Rungpur „ 25, '88	1·42	Weather—rainy with strong easterly wind. *Aus* crop being cut; outturn good. Jute being cut and steeped. Transplantation of *amun* retarded for want of sufficient rain.
		Nilphamari ...	0·99	
		Kurigram ...	1·63	
		Gaibandha ...	2·18	
	14	Bogra „ 25, '88	0·99	Weather—cool and cloudy; heavy rain with high winds during the last two days of the week. Prospects of crops favourable.
		Sherpur ...	2·59	
		Naukhila ...	0·98	
	15	Pubna „ 25, '88	2·09	Weather—cloudy, showery and stormy. Rivers have unusually risen. Prospects of crops continue good.
	16	Darjeeling „ 25, '88	8·61	Weather—rainy; some sharp storms. Harvesting going on in the hills. In Terai sowing of *haimanti* rice nearly finished. *Bhadoi* rice and *janera* are being harvested. Prospects favourable.
	17	Julpigoree „ 25, '88	2·16	Weather—rainy; strong east wind blowing. *Aus* and jute are being cut. Rainfall during the week has improved prospects in the Alipore sub-division, but more rain wanted. Transplanting in progress. Prices stationary.
		Eastern Districts.		
Dacca Divn.	18	Dacca August 25, '88	6·74	Weather—cloudy and rainy with frequent storms. Jute and *aus* paddy being cut; outturn good. *Amun* paddy thriving. Prospects of crops good.
		Manickgunge ...	4·47	
		Munshigunge ...	3·6	
		Naraingunge ...	3·51	
	19	Furreedpur „ 25, '88	2·99	Weather—showery, with a strong easterly wind. Rivers rising. Prospects of crops fair.
		Goalundo ...	2·89	
		Madaripur ...	2·83	
	20	Backergunge „ 24, '88	5·72	Weather—seasonable. Prospects of crops fair. Both *aus* and *amun* are being damaged by insects in places. Floods in Dhakhin Shahabazpur have interfered with the transplanting and damaged the newly-planted seedlings.
	21	Mymensingh „ 24, '88	4·25	Weather—rainy, cloudy and stormy; very high and strong wind on the 23rd and 24th. Prospects of crops good.
		Jamalpur ...	5·61	
		Kishoregunge ...	1·98	
		Attia ...	5·02	
		Netrokona ...	1·70	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
	BENGAL—*concluded.*		
	Eastern Districts—concld.		
	CHITTAGONG DIVN.		
22	Chittagong August 28, '88	14 14	Weather—rainy with high wind sometimes. Transplantation of *amun* continues. *Aus* crop being harvested. Some damage from flood. Prices rising.
23	Noakholly „ 24, '88	5·70	Weather—rainy; strong southerly wind. Reaping of *aus* going on. Some damage to *amun* from excessive rain
	Fenny ...	4 03	
24	Tipperah „ 23, '88	6 84	Weather—seasonable. *Aus* and jute being cut with moderate outturn. The promise of the *amun* crop is excellent.
	Brahmanbariah	7 82	
	Chaudpur ..	8 08	
25	Chittagong Hill Tracts. „ 22, '88	7 77	Seasonable monsoon weather; strong south-east winds with rain showers. All crops doing fairly well, but will be below average Reaping of early *jum* rice commenced.
	Hill Tipperah „ 22, '88	3 67	Weather—rainy. *Amun* paddy still being transplanted. *Jum* crops doing well.
	BEHAR.		
	PATNA DIVN.		
26	Patna „ 25, '88	2·44	Weather—cool with occasional showers. Transplantation of paddy is still being pushed on. *Bhadoi* doing well, but injured in many places owing to rise of the Ganges.
	Dinapur ...	2 81	
27	Gya „ '88	......	Report not received.
28	Shahabad „ 25, '88	0 93	Weather—cloudy and seasonable. Transplantation of paddy progressing. More rain wanted in the Buxar sub-division Prospects of *bhadoi* crops good, except on dearah lands, where they have been damaged by floods of the Ganges and Sone.
	Buxar	2 54	
	Sasseram ..	4 93	
	Bhabuah ..	5 83	
29	Durbhunga „ 25, '88	1 15	Weather—occasionally cloudy Prospects of *bhadoi* crop continue favourable Rain wanted for transplantation of rice Southern part of the district inundated by the overflowing of the Ganges. Prices remain almost stationary.
30	Mozufferpur „ 25, '88	0·86	Weather—rainy and hot Rain wanted for paddy in Sitamarhi. *Bhadoi* crops on dearah lands in Hajipur have suffered from inundation, elsewhere doing well
	Hajipur	3 72	
	Sitamarhi .	0 80	
31	Sarun „ 25, '88	2 62	Weather—cloudy. Transplantation of paddy continues, but more rain wanted. Prospects of *bhadoi* favourable. Manufacture of indigo going on.
	Sewan ...	0 91	
	Gopalgunge	1 26	
32	Chumparun „ 25 '88	1 18	Weather—cloudy and rainy. Transplantation of paddy going on, but retarded in some place for want of rain. *Makai* and *marwa* doing well. Indigo manufacture progressing
	Bettiah	0·77	
	BHAGULPORE DIVN.		
33	Monghyr „ 25, '88	3 07	Weather—seasonable, cloudy and stormy this day (25th). Prospects of winter rice good; but *bhadoi* crops damaged by heavy rain and inundation. Ganges in high flood.
	Beguserai ..	3 59	
	Jamui	7 57	
34	Bhagulpur „ 25, '88	3 47	Weather—seasonable. Prospects generally good. More rain wanted in Soopole.
	Banka .	2 51	
	Mudehpura	1 07	
	Soopole	0 58	
35	Purneah „ 25, '88	4·55	Weather—stormy; high wind and light rain All crops doing well. *Bhadoi* and jute harvests in progress; good outturn. *Aghani* being transplanted. Rain deficient in north.
	Kishengunge ...	2 58	
	Arrariah ...	3 33	
36	Maldah „ '88	... ..	Report not received.
37	Sonthal Perghs. „ 25, '88	5 73	Weather—overcast and rainy Transplantation of paddy nearly completed. Prospects continue to be good.
	Deoghur ..	3 25	
	Godda ..	1 83	
	Jamtara .	5 50	
	Pakoor	4 20	
	Rajmehal ..	1 85	
	ORISSA		
	ORISSA DIVN.		
38	Cuttack „ 24, '88	13 10	Weather—cloudy and rainy. *Beali* in ear. *Sarad* being transplanted. Heavy rain of the week has improved the state of crops. In some parts of Banki only prospects of *sarad* reported bad. Common rice 17 seers per rupee in town.
39	Pooree „ 23, '88	4 92	Weather—cloudy and rainy. Puddling and transplanting of winter crop (*sarad*) going on all over the district, except in some parts of Rupals, Panchgurh, and Madicagora, where the rainfall is quite insufficient. Early rice (*beali*) in ear. Common rice 18 seers 6 chittacks per rupee in the Sudder sub-division and 15 seers 12 chittacks in the Khoorda sub-division. The Sub-divisional Officer reports: "Labour is now obtainable in the fields. Great distress exists amongst the Savors, Bauries, and other labouring classes, and relief is being given gratuitously and by way of tuccavi advances and works.
	Khoordah	3 28	
40	Balasore „ 24, '88	8 33	Weather—seasonable till 21st. Almost incessant rain for the last three days, and much of the country is under water. It is difficult to say at present what damage may have been caused by the floods.
	CHOTA NAGPORE.		
	South-West Frontier Agency.		
	CHOTA NAGPORE DIVN.		
41	Hazaribagh August '88	......	Report not received.
42	Lohardugga „ '88	..	Report not received.
43	Singbhoom „ 24, '88	4 89	Weather—very wet indeed. Indian-corn being reaped. All other crops doing well.
44	Manbhoom „ 25, '88	6 32	Weather—cold and stormy with high westerly winds. The continued rain, though good for rice, is likely to damage autumn crops. *Jowar* has suffered already; other crops, such as *birikalai, kodo, &c.*, will do well if the rain ceases now. Sugarcane and paddy both doing well.
	Govindpur	4 91	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 28th August 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipcre Observatory from 19th to 25th August 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction	Wind. Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Aug.	19th	148 5	2 8	29 589	81 0	85 9	8 8	77 1	78 2	0·930	77·0	88	E and SE by S ...	130	0·30	Cloudy, o, g, p.
,,	20th	150·7	2 5	·638	81 4	86·7	9·3	77·4	78·7	·946	77 5	88	SE by S, ESE and E	98	0·08	Cloudy, o, g, d, p.
,,	21st	138 4	1·1	·595	80 6	84 7	8 5	76·2	77 8	·914	76 5	88	SSW, ENE and variable.	162	0 67	Cloudy, o, g, d, p.
,,	22nd	149·7	0 9	·491	80 0	83 9	8 4	75 5	77 0	·890	75·7	87	ENE and E ...	250	0 07	Cloudy, o, g, d.
,,	23rd	97 5	Nil	·371	78 9	80·0	4 2	75 8	77 3	·919	76 7	93	ENE and NNE ...	187	0 53	Cloudy, o, g, d, p.
,,	24th	94 5	,,	115	76 8	75 9	2 1	73 8	75 5	867	74 9	94	WSW and SW ..	528	9 96	Cloudy, o, g, p, q, ●, gale of wind.
,,	25th	123 5	,,	·605	80 7	83 0	7 9	75 1	77 7	911	76 4	87	SW and SSW .	361	0 74	Cloudy, o, g, d, p.

	Inches.
The mean pressure of the seven days	29·529
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·601
	Hours.
The total number of hours of bright sunshine	7·3
The maximum possible number of hours of sunshine	89·2
	°
The mean temperature of the seven days	79 9
The average temperature of the corresponding period for 24 years, S. G.'s Office	83·1
The extreme variation of temperature	12·9
The maximum temperature	86 7
	Miles.
The highest velocity of the wind in one hour	34
	lbs.
The highest pressure of wind on one square foot	7
	%
The mean relative humidity	89
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	87
	Inches.
The total fall of rain from 19th to 25th August 1888	12·35
The average fall of the corresponding period for 24 years, S. G.'s Office ...	3·17
The total fall from 1st January to 25th August 1888	49 97
The average fall of the corresponding period for 24 years, S G.'s Office ...	46·53

The mean pressure, temperature, &c, are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, q squally, ● continuous rain.

A. Pedler,
for Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 27th August 1888.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ..	29·646	29·658	—	Calm & south-westerly.	216	88·7	19th Aug.	†76·6	21st & 23rd Aug.	†86·0	†78·7	*82·4	—	79·1
		Gopalpore .	29·630	29·680	+·007	SSW	329	85·7	18th „	77·3	22nd & 23rd Aug.	83·0	78·6	80·8	−2·1	81·4
		False Point .	29·636	29·658	−·038	WSW, WNW	288	89·5	18th „	73·1	22nd „	83·3	75·8	79·6	−3·1	79·0
	Cuttack	Cuttack ..	29·592	29·663	+·020	Calm & SW	86	83·9	19th „	74·3	23rd „	84·9	76·7	80·8	−3·4	81·5
	Balasore	Balasore ..	29·567	29·626	−·045	Westerly	158·4	89·4	10th „	74·8	23rd & 24th Aug.	84·5	76·4	80·5	−4·1	80·5
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·560	29·595	−·096	Westerly	446	85·2	18th „	74·5	24th „	82·9	77·2	80·1	−3·3	80·1
	Midnapore ...	Midnapore .	29·480	29·631	−·072	Northerly	129·6	89·3	18th to 21st Aug	75·3	19th, 22nd & 24th Aug	85·9	76·1	81·0	−2·7	80·2
	24-Pergunnahs ..., Howrah ..., Hooghly ...	Calcutta ..	29·538	29·581	−·118	NNE	165	86·5	21st „	73·7	24th „	84·5	76·3	80·4	−1·9	80·4
	Burdwan	Burdwan ..	29·492	29·582	−·095	NE	105·7	94·1	18th „	75·9	24th „	86·9	77·2	82·1	−1·3	79·6
	Bankoora	Bankoora .	29·314	—	—	Easterly	144	86·6	20th „	74·1	24th „	83·9	75·6	79·8	—	80·0
	Beerbhoom ..., West Burdwan ...	Raneegunge	29·292	29·600	−·030	E	146·5	86·5	21st „	74·9	24th „	*84·8	76·0	80·4	−2·7	80·0
	Moorshedabad	Berhampore .	29·536	29·623	−·069	E, ENE	201·0	88·1	22nd „	75·3	24th „	85·6	76·9	81·3	−2·8	81·0
	Nuddea	Krishnaghur	29·544	29·610	−·051	E	200·8	87·3	22nd „	75·8	23rd & 24th Aug	85·0	76·6	80·8	−1·8	81·6
	Jessore ..., Khoolna ...	Jessore ...	29·574	29·608	−·083	E	188·8	86·2	19th, 22nd Aug.	76·1	24th „	84·7	77·5	81·1	−2·4	81·4
East Bengal.	Chittagong ...	Chittagong	29·642	29·732	−·012	ESE	141	90·1	20th „	72·0	24th „	85·[illegible]	75·2	80·2	−0·9	80·0
	Chittagong Hill Tracts	Demagiri ..	Observations not received.													
	Backergunge	Barrisal ..	29·644	29·656	−·030	SE	157·5	85·3	19th to 21st Aug	74·9	22nd „	82·9	76·8	79·9	−1·7	80·1
	Noakholly	Noakholly ...	29·665	29·709	—	SSE	*274·3	86·5	20th „	71·6	24th „	82·6	76·1	79·4	—	78·3
	Furreedpore	Furreedpore	29·625	29·665	−·034	E	215	86·5	20th „	75·9	23rd „	83·8	77·2	80·5	−2·1	80·9
	Dacca	Dacca ..	29·617	29·769	−·027	ESE	223	89·1	20th „	75·1	23rd „	85·7	77·0	81·4	−1·0	81·6
	Commillah	Commillah	29·669	29·705	−·007	E & SE	175·9	88·4	20th „	73·8	23rd & 24th Aug	85·0	75·9	80·5	−1·4	80·4
	Mymensingh	Mymensingh	29·647	29·704	+·003	ESE	185·4	89·3	22nd „	74·0	24th „	86·7	76·1	81·4	−1·5	81·8
North Bengal.	Bogra	Bogra	29·596	29·659	—	E	180·1	89·8	22nd „	74·8	24th „	87·2	76·0	81·6	—	81·8
	Pubna ...	Serajgunge	29·618	29·665	−·029	E	186·9	89·1	20th „	75·2	24th „	86·8	76·7	81·8	−1·5	82·8
	Rajshahye	Rampore Beauleah.	29·577	29·647	−·128	E	107·2	88·3	22nd „	74·6	24th „	86·1	76·7	81·4	−1·5	82·7
	Maldah	Maldah† ..	29·600	—	—	SE	114·1	90·7	22nd „	77·1	30th „	89·3	77·8	83·6	—	84·0
	Dinagepore	Dinagepore	29·5[illegible]	29·679	+·013	ENE	236	90·1	22nd, 23rd Aug	75·1	21st	88·7	77·0	82·8	−1·4	84·6
	Rungpore	Rungpore .	29·587	29·711	−·017	E & SE	154	91·8	19th, 22nd Aug	74·7	20th & 21st Aug	90·7	76·3	83·5	−0·3	83·6
	Julpigoree ..., Cooch Behar ...	Julpigoree ..	29·4[illegible]0	29·707	+·021	E	104·6	91·0	23rd „	72·8	21st „	88·4	75·2	81·8	−0·9	83·0
	Darjeeling Hill Tracts ...	Darjeeling ..	22·956	—	+·013	E & ENE	178·1	*68·6	20th „	53·6	21st „	*66·9	*54·9	*60·9	*−0·6	61·6
North Behar.	Purneah ..., North Bhagulpore ...	Purneah ...	29·559	29·684	+·007		73·7	96·7	23rd „	71·7	21st „	8[illegible]·9	73·8	81·4	−2·6	84·2
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga .	29·518	29·684	+·016	ESE	195	90·4	23rd „	77·3	19th „	89·0	78·7	83·8	+0·1	84·6
	Chumparun	Motihari ...	29·440	29·675	+·025	ENE	208·7	92·7	23rd „	73·3	23rd „	90·6	76·5	83·6	−0·4	87·0
	Sarun	Chupra ..	29·466	29·661	+·009	E	179·3	87·5	22nd, 24th Aug.	74·6	23rd „	84·4	76·9	80·7	−3·7	83·1
South Behar.	Shahabad	Dehree ...	29·257	29·641	−·015	ESE	310·3	88·8	23rd „	75·0	23rd „	85·9	76·6	81·3	−1·4	82·1
		Buxar ...	29·412	29·654	+·005	E	231·2	88·9	23rd „	74·8	23rd „	86·4	77·5	82·1	−2·3	82·4
		Arrah ...	29·463	29·661	+·019	E	143·9	89·4	23rd „	75·1	23rd „	87·4	77·1	82·3	−2·8	82·2
	Gya	Gya ..	29·256	29·634	−·059	Easterly	71·7	89·4	23rd „	75·3	18th & 21st Aug.	86·8	76·4	81·6	−2·5	82·8
	Patna	Bankipore ..	29·488	29·672	+·009	E	154·8	93·4	22nd „	76·2	23rd „	87·8	77·8	82·8	−1·8	83·0
	South Bhagulpore ..., Monghyr ...	Bhagulpore ..	29·503	29·667	+·002	E	120·1	89·2	20th „	75·0	24th „	87·6	76·9	82·3	−2·0	82·0
	Sonthal Pergunnahs ...	Doomka ...	29·135	—	—	E	243·9	80·3	19th, 23rd Aug.	74·6	24th „	85·1	75·6	80·4	—	80·4
Chota Nagpore.	Hazaribagh	Hazaribagh ...	27·648	29·654	−·026	NE & SE	*202·9	82·4	19th, 22nd & 23rd Aug.	71·2	21st, 23rd Aug.	80·3	71·6	76·0	−2·2	75·5
	Lohardugga ..., Manbhoom ...	Ranchee ...	27·521	29·644	−·014	Variable	†164·0	82·9	19th „	69·9	20th, 23rd & 24th Aug.	80·1	70·5	75·3	−1·5	74·8
	Singhbhoom	Chyebassa ...	28·854	—	—	Calm & W	33·7	87·7	19th „	74·1	23rd „	84·7	75·2	80·0	—	79·7
Assam.	......	Sibsagar ...	29·429	29·762	+·014	NE	51·4	94·6	21st „	77·0	24th „	91·3	79·4	85·4	+1·7	84·8
	......	Dhubri ...	29·604	29·721	+·007	ESE	215·5	88·2	19th „	74·8	21st „	86·8	76·5	81·7	−1·4	82·0
	......	Silchar ...	29·631	29·736	−·023	Calm	68·6	96·6	22nd „	75·8	23rd & 24th Aug.	91·9	77·4	84·6	+1·2	84·5

[illegible]s.—*Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years. [illegible]*midity* of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number [illegible]ual means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 12 [illegible] distinct sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Means for six days. † Mean for five days.

for the week ending Friday, the 24th of August 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
92	9·4	5·15		2·54		9·40			31·67			4·5	Pooree	Pooree	Orissa.
86	0·4	3·41	—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
81	9·7	11·55	—	—	—	—	—	—	—	—	—	—	False Point ...		
80	9·4	12·31		2·09		8·88			33·83			4·4	Cuttack ...	Cuttack	
89	7·0	11·29		2·61		9·55			33·64			4·3	Balasore ...	Balasore	
93	9·9	23·75	14·26	3·53	22·18	11·69	+10·40	36·27	30·21	—2·94	6·3	4·8	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
86	6·6	6·35		3·40		11·31			35·50			4·2	Midnapore ...	Midnapore	
89	9·9	7·65	11·04	3·20	19·56	10·93	+8·63	45·77	35 98	+9·79	6 1	5·1	Calcutta ...	24-Pergunnahs ... ... Howrah ... ... Hooghly	
87	10·0	4·55	5·94	2·83	12·84	9 96	+2·88	38 04	31·96	+6·08	6·7	4·0	Burdwan ...	Burdwan	
89	9·2	6·10	8 89	3·56	15·26	12·57	+2·69	40·57	37·04	+3·53	6·5	4 8	Bankoora ...	Bankoora	
89	9·0	9 55	6·32	3·20	18·44	10·67	+7·77	43·09	35·52	+7·56	6·5	4·7	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
88	9·6	3·92	5·33	2 48	9·76	9·25	+0·51	31·52	32 56	—1·04	5·9	4·0	Berhampore ...	Moorshedabad	
88	9·6	4·40	4·79	2 81	15·02	9·81	+5·21	39 21	33·29	+5 92	6·8	4·0	Krishnaghur ...	Nuddea	
89	9·9	3·53	2·93	2 81	9·87	10·06	—0·19	33 15	36·87	—3·72	6·3	4·1	Jessore ...	Jessore ... ... Khoolna	
87	7·0	8·85		4·33		20·13			86·13			5·4	Chittagong ...	Chittagong	East Bengal.
				3·45		13·47			54 84			5·7	Demagiri ...	Chittagong Hill Tracts	
80	9·4	7·42	8·07	3·16	22·87	12 73	+10·14	53·98	53·83	+0·15	6·5	5·6	Barrisal ...	Backergunge	
89	9·9	6·74	6·33	5·55	22·22	20·91	+1·31	71·27	76·29	—5·02	6·0	5 6	Noakholly ...	Noakholly	
87	7·7	1·92	3·24	3 02	10·40	9·93	+0·47	36·22	38·75	—2·53	5·3	4·5	Furreedpore ...	Furreedpore	
84	8·9	6·43	4·78	2·56	11·14	10·56	+0·58	44·21	41·23	+2·98	6·0	4·5	Dacca ...	Dacca	
81	5·0	3·15	4·40	3·36	13·76	13·31	+0·45	44·55	47·01	—3·36	6·0	5·0	Commillah ...	Commillah	
83	8·1	4·37	3 86	3·16	9·27	10·50	—1·23	48·31	44 78	+3·53	6·0	4·5	Mymensingh ...	Mymensingh	
84	7·6	1·39	1·91	2·15	6·13	8·56	—2·43	30·93	38·52	—7·59	6·3	3·9	Bogra ...	Bogra	North Bengal.
84	7·1	2 00	2·12	3·33	7·20	9·26	—2·06	32·30	34·82	—2·52	6·0	4·0	Serajgunge ..	Pubna	
82	6·1	2 26	1·79	2·82	9·11	9·32	—0·21	28·89	34·42	—5 53	5·5	4·1	Rampore Beauleah	Rajshahye	
82	4·8	1·49		2·61		8·85			35·53			4·7	Maldah ...	Maldah	
76	6·9	1·42		1·85		8·74			39·10			3·9	Dinagepore ...	Dinagepore	
81	4·0	1·24	1·72	2·24	6 22	8·90	—2·68	42·39	51·62	—9·23	4·3	3·5	Rungpore ...	Rungpore	
90	2·3	2·10	2·19	4·08	10·56	16·87	—6·31	70·29	76·52	—6·23	5·6	4·8	Julpigoree ...	Julpigoree ... ... Cooch Behar	
89	8·6	9·13	4·60	5·43	14·50	22·46	—7·96	75·46	89·31	—13·85	5·5	5·7	Darjeeling ...	Darjeeling Hill Tracts	North Behar.
80	5·1	4·53	2·56	3·20	5·64	10·45	—4·81	35·29	39·85	—3·56	4·4	4·2	Purneah ...	Purneah ... ... North Bhagulpore ...	
				1·93		7·05			28·21			3·4	Mozufferpore ...	Mozufferpore	
79	5·6	1·15	1·07	1·98	4·52	7·90	—3·38	27·88	28 94	—1·06	4·0	3·3	Durbhunga ...	Durbhunga	
67	7·4	1·07	0·98	2 06	5·03	9·59	—4·56	29·95	30·67	—0·72	2·5	3·0	Motihari ...	Chumparun	
80	5·6	2·86		1·61		7·72			27·60			2·9	Chupra ...	Sarun	
85	4·0	4·31											Dohree ...		South Behar.
82	6·7	1·37	2·26	2·42	8·50	9 09	—0·59	25·18	26·29	—1·11	4·8	3·6	Buxar ...	Shahabad	
84	7·7	1·38											Arrah ...		
79	7·0	4·08		2·29		9·57			28·82			3·3	Gya ...	Gya	
83	8·1	2·44	3·15	2·30	9·56	8·32	+1·24	31·81	27·95	+3·86	6·0	3·1	Bankipore ...	Patna	
83	4·9	3·78	3·54	2 30	9·50	8·85	+0·65	31·37	29·03	+2·34	6·6	3·8	Bhagulpore ...	South Bhagulpore ... Monghyr	
86	9·0	4·85	3·73	2·83	13·67	9·48	+4·19	35·69	33·69	+2·00	6·5	4·3	Doomka ...	Sonthal Pergunnahs...	Chota Nagpore.
90	10·0	4·77		3·26		10·80			34·16			4·8	Hazaribagh ...	Hazaribagh	
88	9·6	3·40		2 97		10 66			33·36			5·0	Ranchi ...	Lohardugga	
85	9·1	6·83		3·12		11·13			32·88			5·0		Manbhoom	
			6·73	3·28	14·38	11·73	+2·65	31·55	36·91	—5·36	6·0	4·7	Chyebassa ...	Singbhoom	
85	7·4	0·14											Sibsagar	......	Assam.
82	8·0	1·61											Dhubri	......	
70	9·0	0·83											Silchar	......	

The ariations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 24th of August 1888.

Meteorological division.	District.	Station.	RAINFALL. Saturday, August.				Wednesday, 22nd August.	Th[illegible] A[illegible]		TOTAL		Total rain fall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA	Pooree	Pooree	......	0·02	0·06	1·29	2·22	0·81	0·43	6	4·83	14,47	7·18	24·17	27·05
		Khurdah	0·45	0·05	0·65	1·20	2·34	2·05					9·89		34·31
		Banpur	......	0·30	2·50	1·15	0·6'						9·38		28·76
		False Point	0·41	0·08	0·20	0·25	4·24	5·35	0·77,	7	11·30	17·75	11·12	28·48	30·68
		Gop	0·90		2·80	3·40	3·5						?		?
		Pipli	......	0·50	2·20	1·20	2·80						?		?
	Cuttack	Jagatsingpore		0·53		1·00	5·0						8·54		28·21
		Banki	......	0·21	0·92	3·28	2·71	2·13					7·43		32·49
		Cuttack	0·13	0·41	0·33	1·32	4·9	5·90					9·17		36·87
		Kendrapara	0·26	0·32	1·02	1·00	7·22	5·41	0·62	7	15·85	24·25	10·42	45·27	33·53
		Jajpore	......	0·45	1·20	1·11	5·23	3·87					8·83		35·41
		Dharmsala	0·15	0·20		2·83	7·50	4·00					?		?
		Salipore	......	0·20	2·50	1·10	5·10		6·18				?		?
	Balasore	Chandbali											9·51		31·55
		Bhuddruck	......	0·44	3·11	0·34	1·15	4·08	1·99	6	11·06	18·33	8·70	37·27	32·73
		Sorah	......	2·92	0·08	0·61	1·95	4·25	2·90	6	12·71	17·87	9·37	35·42	31·59
		Balasore	0·62	1·14		0·37	1·09	5·11	2·80				10·60		35·89
		Jellasore	....	2·75	0·05	0·01	0·85	4·45	2·79	6	10·90	19·99	9·28	36·78	35·13
		Baripodah	1·48	0·97	0·04	0·10	2·15						0·84		34·83
SOUTH-WEST BENGAL.	Midnapore	Contai	......	1·40	0·42	1·13	1·00	0·33	7·92	6	18·20	23·64	11·38	39·30	38·01
		Saugor Island	0·02	1·16	0·95	3·87	1·30	4·11	11·14	7	22·55	28·32	12·32	41·89	41·35
		Tumlook	......	0·60	....	2·2	0·30	2·40	8·30	5	14·10	2.·70	11·38	48·30	35·01
		Midnapore	......	0·75	0·42	0·50	0·68	2·68	5·54	6	10·57	19·09	10·20	48·46	33·46
		Ghattal	0·06	0·04	0·03	0·61	0·	1·00					12·33		38·19
		Kukrahaty	......	1·43	0·16	2·68	0·65	2·53	8·20	6	15·65	28·32	?	51·21	?
		Heria	......	0·19	0·17	1·19	0·74	3·65	6·92	6	12·86	17·52	?	38·80	?
		Bhagwanpore	......	0·50	1·57	1·40	0·78						?		?
		Garbeta	0·74	4·12	1·01	0·80	0·52	2·00	7·52	7	16·71	25·05	?	52·45	?
	24-Pergunnahs	Diamond Harbour	......	0·30	1·17	1·60	0·37	1·40	7·10	6	12·08	24·58	11·37	37·65	38·27
		Canning Town	0·79	1·50	0·04	1·06	0·57	0·47	6·01	7	10·14	24·16	?	44·52	?
		Alipore Jail	0·12	0·23	0·12	0·75	0·04	0·57	10·19	7	12·04	21·69	11·38	40·63	37·82
		Barrackpore	....	0·37	....	1·23	0·06	0·16	5·30	5	7·12	16·42	10·45	43·81	35·46
		Dum-Dum	0·02	0·50	....	0·73	.....	0·36	12·36	5	14·08	21·37	10·90	47·12	35·60
		Baraset	0·06	0·37	0·37	0·32	0·05	0·20	8·50	7	9·87	18·28	9·88	47·85	33·85
		Buseerhat	......	1·15	0·58	0·18	0·19	0·21	3·28	6	5·59	12·49	10·86	39·43	38·05
	Howrah	Howrah	......	0·13	0·06	0·52		0·26	11·60	5	12·93	20·47	10·12	42·77	35·10
		Mohesreka (*Ooloberiah.*)	0·66	0·21	0·44	1·53	0·00	0·65	15·42	7	19·00	29·09	11·22	40·38	30·39
	Hooghly	Serampore	......	0·23	0·36	1·10	0·07	0·15	8·44	6	10·35	18·90	10·71	48·28	35·38
		Hooghly	0·07	0·87	0·13	1·3	0·20	0·21	5·81	7	8·70	19·16	10·56	50·32	34·49
		Jehanabad	......	2·00	0·25	0·54	0·66	0·42	0·95	6	10·82	17·87	13·24	48·07	37·85
	Burdwan	Culna	......	2·00	0·45	1·08	0·30	0·58	3·00	6	8·01	14·91	9·69	43·01	30·82
		Burdwan	0·26	0·53	0·78	1·20	0·17	0·80	1·12	7	4·86	9·07	10·22	20·79	32·46
		Cutwa	0·70	0·71	1·47	1·15	0·19	0·34	0·30	7	4·95	14·53	9·96	40·73	32·56
		Raneegunge	0·07	0·08	4·45	2·79	0·26	0·30	1·38	7	9·33	17·40	10·86	47·91	34·48
		Mankur	0·44	......	0·41	0·84	0·19	0·45	1·28	6	3·61	9·28	?	31·73	?
	Bankoora	Bankoora	......	0·50	1·83	0·78	0·70	0·50	2·60	6	6·91	11·95	11·86	30·44	35·96
		Bishenpore	0·05	4·85	1·95	0·26	0·58	0·95	4·72	7	13·36	18·02	12·78	39·95	36·93
		Malara	....	0·58	0·77	1·32	0·48	0·13	2·54	6	5·82	13·33	13·93	40·41	34·48
		Khatra	0·50	0·88	2·52	0·30	0·36	0·62	4·30	7	9·48	17·14	11·73	44·50	36·82
		ndas	0·07	0·95	0·57	0·83	0·27	1·30	2·32	7	6·31	10·93	?	33·05	?
		Kotalpore	1·55	1·61	0·76	0·55	1·42	1·2	3·4	7	10·56	15·68	?	38·08	?
		Anda	0·05	2·40	0·32	....	0·50	0·28	3·12	6	6·67	9·90	?	20·78	?
		Gangajalghati	0·21	....	1·50	2·95	0·59	0·27	2·40	6	7·92	13·66	?	43·71	?
		Raipore	1·02	1·99	2·38	1·05	0·65	1·30	6·15	7	14·63	22·61	?	46·81	?
		Sonamukhi	0·04	0·08	1·35	0·74	0·29	1·65	0·85	7	5·00	9·85	?	39·71	?
	Beerbhoom	Bh. Soory	1·37	0·35	1·63	0·77	0·11	0·09	0·92	7	5·24	16·56	11·17	39·78	36·49
		Hetampore	0·86	3·42	1·41	0·[illegible]	0·24	0·82	2·03	7	9·13	18·86	10·20	38·38	37·67
		Rampore Haut	0·61	0·07	0·33	0·15		....	0·39	5	1·58	20·01	10·43	46·16	38·34
		Bolpore	1·98	0·22	1·19	2·4		0·65	0·82	6	7·23	15·06	?	44·2	?
		Murarai	2·26	0·58	0·20	0·50		0·30	0·20	6	4·04	14·59	?	?	?
	Nuddea	Ranaghat	0·09	0·90	0·98	0·58	0·23	0·95	4·32	7	8·05	14·13	10·74	44·21	33·38
		Kishnaghur	0·05	1·76	1·41	0·04	0·43	0·14	4·55	7	8·08	23·79	9·44	53·12	31·10
		Chooadanga	......	0·20	1·10	0·20	0·15	0·30	0·50	6	2·45	14·75	10·24	36·96	34·21
		Meherpore	0·44	0·05	0·64	0·29	0·19	0·36	0·73	7	2·70	12·84	9·52	35·86	32·15
		Kooshtea	0·31	0·03	0·30	0·20	0·15	0·45	0·611	7	2·05	9·50	9·28	25·87	3.·54
	Khoolna	Satkhira	0·02	0·62	1·14	0·20	0·15	0·30	2·35	7	4·78	10·87	10·78	30·65	38·61
		Bagirhat	0·05	0·35	......	0·20	0·59	0·70	0·50	6	2·32	15·87	10·60	40·45	42·83
		Khoolna	....	......	......	0·48	0·31	0·24	0·49	4	1·52	9·16	9·79	37·40	37·01
		Narail	0·03	......	0·04	0·21	0·16	0·10	0·30	6	0·80	5·93	9·62	21·07	32·82
		Jessore	0·08	0·35	0·16	0·9.	0·76	0·65	0·40	7	3·45	9·71	10·44	40·92	38·05
		Jhenidah	0·22	0·14	0·18	0·37	0·17	0·35	0·73	7	2·16	8·85	10·77	27·84	36·71
		Magoorah	0·13	0·70	0·20	1·07	0·05	0·48	0·50	7	3·13	8·97	7·61	30·40	33·74
		Bongong	·35	0·10	1·65	0·60		0·55	1·70	6	4·95	9·56	11·11	30·59	35·15
	Moorshedabad	Kandi	2·56	....	1·03	0·52	0·19	0·43	1·20	6	5·93	8·63	9·14	38·19	33·25
		Berhampore	0·15	0·10	1·42	1·17	0·08	0·27	0·51	7	4·00	1 ·72	9·75	28·93	32·54
		Lalbagh	0·20	0·09	1·32	0·25	0·01	0·06	0·39	7	2·32	8·41	9·11	29·93	31·86
		Azimgunge	0·14	......	2·30	0·55		0·10	0·35	5	3·14	8·71	9·78	?	32·96
		Jungipore	0·76	0·21	0·61	0·27		0·04	0·08	6	1·97	9·39	8·68	37·19	31·46
		Nalgola	......	0·42	1·20	....	0·45	......	0·27	4	2·34	13·75	9·03	32·91	33·17
		Jaigunge	0·16	.....	2·35	0·60	......	0·08	0·33	5	3·52	7·72	......	32·33	......
		Akhriganj	0·37	......	0·82	0·68	0·18	0·34	0·40	6	2·79	6·53	?	31·38	?
		Patkabari	......	0·25	0·50	0·10		0·25	1·60	5	2·70	8·83	?	37·53	?
EAST BENGAL	Chittagong	Cox's Bazar	0·43	0·07	0·43	0·85	1·01	5·91	2·60	7	11·30	35·99	23·40	118·99	103·42
		Chittagong	0·27	0·09	0·25	0·16	0·54	3·77					16·75		68·77
		Kutubdia	0·25										?		?
		Satkanya	0·48	......	0·02	0·27	0·90						?		?
	Chittagong Hill Tracts.	Rangamati	......	0·17	0·41	0·16	0·10	0·31	3·54	6	4·78	25·83	15·48	53·88	57·03
		Ruma											11·44		51·69
	Backergunge	Patuakhally	......	0·05	0·36	0·03	3·00	3·05	5·41	6	12·80	30·46	13·62	70·90	61·97
		Ferozepore	0·43	0·19	0·10	0·48	1·03	1·30	1·10	7	4·63	17·17	12·69	47·78	48·67
		Burrisal	0·53	0·04	0·12	0·54	2·25	3·25	2·47	7	9·20	19·22	10·38	48·55	46·97
		Bhola	0·92	......	0·39	0·51	1·41	1·58	3·04	6	8·05	24·66	14·02	48·71	57·66

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 24th of August 188[illegible]—contd.

Meteorological Division.	District.	Station.	Saturday, 18th August.	Sunday, 19th August.	Monday, 20th August.	Tuesday, 21st August.	Wednesday, 22nd August.	Thursday, 23rd August.	Friday, 24th August.	Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			RAINFALL.							TOTAL.					
EAST BENGAL—concld.		*Gournaddi* ...	......	......	0·26	......	1·55	2·50	1·05		5·36	10·70	?	[illegible]	?
		Baughai ...	1·31	0·19	0·05	1·71	1·45	3·47	4·72	7	12·90	26·74	?	69·10	?
	Noakholly	Noakholly ...	0·35	......	0·10	0·24	1·56	1·30	2·96	6	6·50	22·02	21·02	76·90	75·76
		Fenny ...	......	0·04	0·11	0·15	0·10	2·00	3·75	6	6·15	22·30	20·79	71·60	76·77
		Harishpore ...											?		?
		Ramganj ...	0·06	......	0·70	0·32	0·36	1·74					?		?
	Furreedpore	Madaripore ...	0·19	......	0·69	0·67	0·59	0·91	0·95	6	3·70	10·08	10·16	36·91	39·75
		Furreedpore ...	1·06	......	0·52	......	......	0·64	0·44	4	2·66	10·56	10·39	38·04	39·82
		Goalundo ...	1·84	......	0·29	0·39	0·11	0·30	0·61	6	3·36	9·94	9·25	33·71	36·70
	Dacca ...	Munshigunge	......	......	1·05	0·55	0·12	0·80	0·68	5	3·12	9·87	12·23	45·39	46·29
		Dacca ...	1·07	......	2·25	1·18	0·22	0·26	1·16	6	6·74	13·40	10·07	41·78	49·91
		Naraingunge	0·18	......	1·29	0·94	0·09	0·78	0·80	6	4·08	10·29	10·47	49·87	40·55
		Manickgunge	1·72	0·02	1·11	0·50	0·02	0·70	1·09	7	6·16	11·27	9·48	36·99	35·90
		Joydebpore ...	......	......	1·19	1·15	0·74	0·96	0·96	5	4·87	14·86	?	40·37	?
	Hill Tipperah	Agartola ...	0·19	......	1·25	0·45	0·33	0·75	1·04	6	4·00	8·55	10·57	40·68	41·16
	Tipperah ...	Comilla ...	0·06	......	0·36	0·70	0·06	0·90	2·94	6	5·02	19·58	14·36	45·99	54·94
		Chandpore ...	0·16	......	0·36	0·25	0·25	1·88	1·26	6	4·09	11·74	17·93	49·87	54·65
		Brahmanberia	......	1·61	0·75	0·39	0·52	0·65	0·84	6	4·86		10·38		40·93
		Ramchandrapore.	......	......	......	0·48	0·33	0·39	1·44	4	2·04	10·07	?	43·66	?
		Nasirnagar ...	......	0·60	1·70	0·50	0·20	0·50	0·40	6	4·90	12·10	?	33·85	?
		Daudkandi ...	......	......	2·99	......	0·45	0·77					?		?
		Kasba ...	......	0·23	......	0·30	......	1·00	1·34	4	2·87	10·25	?	40·36	?
		Lakham ...	......	......	......	0·89	......	0·71	3·56	3	5·46	16·[illegible]		51·93	?
	Mymensingh	Kishoreganj	......	0·23	0·56	0·48	0·50	0·43	0·34	6	2·54	6·73	10·64	56·82	47·09
		Atia (*Tangail*)	0·33	......	2·48	0·19	......	0·54	0·39	5	3·92	7·74	9·49	27·36	37·37
		Mymensingh	......	0·70	1·63	0·53	0·29	1·09	0·22	6	4·37	9·67	10·74	46·86	50·08
		Jamalpore ...	......	2·02	2·63	0·54	0·29	0·45	0·15	6	5·99	14·48	10·07	51·57	41·77
		Netrokona ...	0·19	0·34	0·15	0·25	0·49	0·41	0·65	7	2·48	8·47	11·50	59·57	46·91
		Subornokhally	0·14	0·17	0·86	0·11	0·14	0·31	0·44	7	2·17	7·78	?	41·72	?
		Durgapore ...	......	1·50	0·70	......	......	0·30					?		?
		Dewanganj ...	......	0·16	1·08	0·36	0·35	......	0·05				?		?
NORTH BENGAL.	Pubna	Pubna ...	0·75	......	0·32	0·16	......	0·26	0·00	5	2·09		9·70		34·42
		Seraigunge ...	0·03	0·06	0·58	0·14	0·30	0·25	0·59	7	2·15	6·51	8·81	33·28	35·14
	Bogra	Sherpore ...	0·69	0·71	0·98	0·09	0·95	0·85	0·51	7	2·99	7·06	9·33	26·83	39·31
		Nowkhilla ...	0·06	0·16	0·41	0·24	0·06	0·05	0·30	7	1·28	5·01	8·20	36·94	36·19
		Bogra ...	0·07	0·18	0·42	0·10	0·03	0·17	0·65	7	1·62	6·44	9·09	29·13	42·15
		Panchbibi	......	......	0·14	1·05	0·06	......	0·50	4	1·75	6·04	7·63	31·16	36·39
	Rajshahye	Beauleah ...	0·11	0·04	0·10	0·18	0·02	0·29	0·18	7	0·92	6·44	9·34	18·23	35·79
		Nattore ...	0·20	......	0·50	......	......	0·30	1·65	4	2·65	11·77	9·28	39·53	34·93
		Naogaon ...	0·09	0·29	0·40	0·10	0·19	0·04	0·39	7	1·50	4·56	?	23·92	?
		Lalpore ...	......	0·19	......	......	......	0·35	0·90	3	1·44	9·18	?	27·70	?
		Manda ...	0·37	......	......	1·15	0·15	0·20	0·17	5	2·04	6·16	?	21·14	?
	Maldah ...	Maldah ...											7·49		33·63
		Chanchal ...	0·72	0·11	0·11								10·23		38·44
		Gajol ...	0·12	0·15	0·20	0·23	0·27						?		?
		Sibganj ...	0·83	0·02	......	0·16							?		?
	Dinagepore ...	Mohadebpore	0·16	2·10	......	0·65	......	0·10	0·67	5	3·68	9·35	9·97	29·09	38·75
		Churamon ...	0·16	......	0·40								7·18		35·00
		Raigunge ...	0·21	0·48	......	0·26	0·20	0·19	......	5	1·22	7·50	9·15	39·08	40·56
		Dinagepore	......	0·19	......	0·60	0·28	0·16	......	4	1·23	5·75	9·54	46·73	44·46
		Baloorghat	0·23	0·24	0·40	0·17	0·14	......	0·48	6	1·66	7·12	7·82	30·65	37·15
		Thakoorgaon	......	1·23	......	0·21	0·41	0·33	0·04	5	2·22	7·05	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	......	......	1·42	0·44	......	0·32	......	3	2·18	7·09	7·86	34·21	41·47
		Rungpore ...	......	0·12	0·42	0·29	0·57	0·02	......	5	1·42	8·49	9·46	38·26	38·68
		Kurigram ...	......	......	0·83	0·08	0·58	......	......	3	1·49	5·34	7·12	55·23	52·55
		Bagdogra (*Nilphamari*)	......	0·20	0·10	0·11	0·46	0·11	0·80	6	1·78	4·23	11·16	41·83	50·82
		Ulipore ...	......	0·50	......	......	......	......	......	1	0·50	7·49	?	38·91	?
	Julpigoree ...	Julpigoree ...	0·36	0·18	1·24	0·16	0·32	......	......	5	2·26	15·88	19·75	82·52	81·49
		Alipore Doar	......	0·45	1·10	......	0·41	0·33	......	4	2·79	8·99	?	64·46	?
		Fallacotta ...	[illegible]	0·36	0·60	1·12	......	0·20	......	5	2·98	10·64	?	71·06	?
		Debiganj ...	......	1·36	0·53	0·66	0·18	0·14	......	5	2·87	5·18	?	51·44	?
	Cooch Behar..	Dinhatta ...	0·06	1·87	0·45	0·66	0·11	0·25	......	6	3·40	16·36	13·13	73·83	63·57
		Cooch Behar...	0·16	0·14	0·45	0·88	0·55	0·16	......	6	2·36	10·70	15·74	74·88	[illegible]
		Mekliganj ...	0·04	0·55	......	0·26	0·31	0·22	......	5	1·37	6·71	17·80	73·89	73·31
		Matabhanga...	0·13	0·63	0·22	0·23	0·29	0·15	......	6	1·65	11·23	13·88	[illegible]	80·18
	Darjeeling Hill.	Buxa ...	......	0·04	0·16	0·09	......	......	0·48	4	0·77	22·11	34·42	63·22	141·38
		Silliguri ...	......	0·77	0·29	0·37	0·18	0·38	......	5	1·99	9·73	19·90	117·43	78·52
		Darjeeling ...	0·57	1·67	1·11	1·13	......	4·06	0·07	6	8·61	15·53	19·45	72·06	77·04
		Kalimpong ...	0·74	0·87	1·60	1·11	0·13	1·81	0·75	7	7·01	10·56	16·07	65·51	60·17
NORTH BEHAR	Purneah ...	Kissengunge...	......	1·37	......	0·15	0·52	......	0·08	4	2·18	5·39	12·48	38·61	48·46
		Arrareah ...	......	2·15	......	......	0·20	0·18	0·38	4	2·91	6·29	10·80	39·72	42·08
		Purneah ...	0·46	2·13	0·26	0·47	0·72	0·43	0·08	7	4·55	7·84	11·01	31·88	39·42
		Gondwara ...	......										?		?
		Balarampore	1·40	......	......	......	0·20	......	......	2	1·60	3·83	?		?
		Mattari ...	......	1·25	......	......	......	0·59	......	3	1·84	3·54	?		?
		Kaliaganj ...	0·11	0·43	0·63	0·12	0·81	0·05	......	6	1·55	5·47	?	46·60	?
	North Bhagulpore.	Maddepore ...	......	......	0·35	......	......	0·27	1·03	3	1·64	4·70	9·10	37·12	31·75
		Soupool ...	......	0·13	......	0·12	......	0·84	0·40	4	1·10	4·00	8·84	36·97	31·54
		Protabganj ...	1·50	......	......	......	0·10	0·35	......	3	2·04	4·08	?	29·68	?
	Durbhunga ..	Tajpore ...	......	0·19	......	0·65	......	0·44	0·11	4	1·39	7·74	7·60	26·18	28·42
		Durbhunga ...	......	0·11	......	......	0·59	0·15	0·30	4	1·15	2·32	8·58	28·23	29·83
		Madhubani ...	0·04	......	......	0·30	......	0·30	0·03	4	0·67	3·50	7·51	25·97	28·53
		Bahera ...	......	......	......	0·10	0·40	0·81	0·45	4	1·75	8·42	?	29·82	?
		Roshera ...	0·40	0·05	......	......	......	0·77	0·14	4	1·36	7·17	?	26·70	?
	Mozufferpore	Sitamarhi ...											7·91		28·05
		Mozufferpore	......	......	0·06	0·30	......	0·50	......	3	0·86	4·37	7·80	31·63	28·69
		Hajipore ...	0·04	......	0·82	1·34	......	0·60	0·03	5	2·83	11·01	8·16	33·32	27·92
		Paru ...	......	......	......	0·16	......	......	0·50	3	0·66	4·40	?	24·70	?
		Manua ...	0·13	......	......	0·36	......	1·04	0·05	4	1·58	6·97	?	23·77	?
		Shuhur ...	0·85		0·90			1·10					?		?
		Pupri ...	0·90	......	......	0·30	0·71	0·20	......	4	2·11	3·21	?	15·04	?
	Chumparun...	Motihari ...	......	0·10	......	......	......	0·71	0·37	3	1·18	3·84	9·40	25·83	29·06
		Bettiah ...	0·13	......	......	......	......	0·64	......	2	0·77	6·19	9·76	34·05	32·22
		Bagaha ...	0·31	......	......	......	......	0·38	0·15	3	0·84	4·93	?	36·54	?
		Burhurwa ...	......	......	......	0·05	0·02	1·54	0·84	4	2·45	5·10	?	28·60	

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 24th of August 1888—*concld.*

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 18th August.	Sunday, 19th August.	Monday, 20th August.	Tuesday, 21st August.	Wednesday, 22nd August.	Thursday, 23rd August.	Friday, 24th August.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun ..	Gopalgunge ...	......	......	......	......	......	0·41	0·27	2	0·68	3·17	7·62	30·55	28·39
		Sewan ...	......	......	......	......	0·37	1·62					7·93		27·65
		Chuprah ...	......	......	1·33	0·91	...	0·37	0·01	4	2·63	5·34	7·61	31·92	26·85
SOUTH BEHAR	Shahabad .	Buxar ...	0·66	.	0·12	......	0·10	0·03	....	4	0·90	3·48	8·06	18·06	24·72
		Dehree ...	..	0·02	0·51	......	0·13	0·78	0·73	5	3·17	10·96	8·75	29·18	24·66
		Bhubooah ...	0·50	0·70	0·65	......	0·65	1·68	.....	5	4·18	10·68	10·15	25·93	28·33
		Sasseram ...	0·64	.....	0·66	0·16	......	0·56	0·42	5	2·44	11·35	9·78	25·46	26·96
		Arrah ...	0·05	0·30	0·15	0·05	....	0·30	...	5	1·45	6·01	8·68	25·28	26·85
		Mohania ...	.....	....	......	2·10	0·50	......	0·60	3	3·20	10·25	'	21·68	?
	Gya ..	Aurungabad...	......	......	0·74	......	0·59	1·48	0·98	4	3·74	14·32	10·67	39·44	29·90
		Gya ...	2·50	....	0·81	0·05	0·02	0·46	0·38	6	4·22	18·66	9·18	32·04	29·65
		Nowadah ...	0·96	......	0·10	0·53	0·10	0·98	0·97	6	3·04	14·09	9·02	31·84	27·67
		Jehanabad ...	0·11	......	0·75	0·06	.....	0·28	0·07	5	1·21	8·29	9·39	23·34	27·92
		Arwal ...	0·12	.....	...	0·21	...	0·17					?		?
		Daudnagar ...	1·98	......	1·44	0·13	......	.....	0·24	4	3·79	9·41	?	26·72	?
		Sherrghati ...	....	.....	0·95	......	....	......	0·40	2	1·35	13·12	?	22·93	?
		Rajauli ..											?		?
		Pakri Barawan	0·19	0·18	......	0·15							?		?
	Patna ...	Patna ..	0·21	0·23	1·16	0·48	......	0·36	.....	5	2·44	8·30	8·09	27·06	28·12
		Dinapore ...	0·06	0·15	0·83	0·34	...	0·44	...	5	1·82	7·26	8·62	30·42	27·83
		Behar ..	1·10	0·29	1·05	0·41	0·61	0·49	0·72	7	4·47	15·19	8·63	38·23	29·19
		Barrh ..	0·10	0·10	1·00	0·45	0·05	1·25	0·60	7	3·85	7·50	7·92	31·52	26·66
		Bickram ...	0·30	0·15	0·20	.....	.....	......	.....	8	0·65	4·05	?	19·65	?
		Hilsa ...	0·72	0·32	0·19	0·12	0·14	0·32	0·85	7	2·66	13·75	?	30·57	?
	Monghyr	Begooserai ..	0·71	0·21	0·16	0·33	0·07	0·84	0·25	7	3·17	7·11	8·09	26·66	26·91
		Monghyr .	0·98	0·46	0·38	0·51	0·12	0·54	0·08	7	3·07	7·65	9·58	36·90	30·19
		Jamui ...	2·40	1·12	0·11	....	0·55	0·19	0·26	6	4·63	10·18	9·85	28·10	30·51
		Gogri ...	0·65	0·57	...	1·62	0·58	0·45	0·13	6	4·05	9·64	?	36·33	?
		Sheikpura ...	......	.....	3·52	...	0·08	....	2·12	4	7·08	15·75	?	41·75	?
	South Bhagulpore	Bhagulpore ...	1·91	1·23	0·07	0·19	0·11	0·25	0·11	7	3·87	9·00	8·16	39·23	28·67
		Banka ...	1·10	.....	0·10	.....	0·04	0·36	0·15	6	1·98	11·90	8·36	24·98	28·87
		Kolgong ..	0·20	0·42	......	......	0·24	0·27	0·22	5	1·39	7·34	?	35·40	?
	Sonthal Pergunnahs	Rajmehal ...	0·46	0·49	0·19	0·20	0·13	0·04	0·09	7	1·80	8·31	7·49	25·75	33·75
		Godda ..	0·80	0·08	0·41	0·02	0·20	0·12	2·26	7	3·89	15·42	9·43	30·32	29·74
		Pakour .	0·98	0·95	0·99	0·18	...	0·15	0·65	6	3·90	11·77	8·57	40·12	34·57
		Nya Doomka	2·24	0·90	0·33	0·51	0·23	0·18	0·57	7	4·96	19·58	10·82	37·21	35·39
		Deoghur ..	1·75	0·43	0·24	0·12	...	0·22	0·35	6	3·11	10·66	10·33	33·02	31·30
		Jamtara ..	0·27	.....	1·21	2·14	0·32	0·07	0·73	6	4·71	16·28	10·21	41·65	34·46
		Mahagama ...	1·22	....	.	0·85							?		?
		Nunihat ...	0·81	1·05	0·53	...	......	......	0·12	4	2·50	9·09	?	23·18	?
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ..	0·45	0·26	0·38	0·28	0·10	0·06	0·23	7	2·56	12·03	10·10	38·51	32·88
		Hazaribagh ...	0·24	1·50	0·53	......	0·09						11·39		33·05
		Semtagurah .	...										9·57		31·35
		Mahudi Hills	....										10·79		32·20
		Jhoomrah Hills	...										12·17		41·85
		Barhi ...	0·75	0·10	0·45								?		?
		Chatra ...	....	0·35	0·47	......	0·18						?		?
		Karagdeha ...	.....	..	....	....	4·80	......	......	2	4·80		?		?
		Ramghur ...	0·04	1·63	0·53	0·04	0·50						?		?
	Lohardugga ...	Lohardugga ...	0·23	0·53	0·93	0·25							11·32		35·35
		Ranchi ...	.....	0·60	0·43	0·37							11·46		35·88
		Palamow ...	0·51	1·85	0·15								9·18		28·84
		Silli ...	0·30	3·00	1·00	......	1·30	1·70	0·70	6	8·00	27·80	?		?
		Balumat ...											?		?
		Hosseinabad...	....	0·03			0·02						?		?
		Garwah ...											?		?
	Singbhoom ...	Chyebassa .	.....	1·41	0·30	0·06	1·05	1·20	2·71	6	6·73	14·38	11·73	31·55	36·91
		Chakradharpore.		...									?		?
		Ghatsilla ...	.. .	4·15	0·35								?		?
		Baharagura..	. ..	4·59	1·07								?		?
	Manbhoom ...	Purulia ..	......	0·98	2·14	0·07	0·91	1·06	1·16	6	6·32	17·20	11·71	42·82	34·69
		Gobindpore ...	0·44	0·38	0·72	0·45	0·24	0·16	0·55	7	2·94	11·28	10·55	25·56	31·84
		Raghunathpore.	0·07	0·37	1·21	0·27	0·24	0·80	1·33				?		?
		Burrabhoom .	....	2·16	1·00	0·09	0·50	0·63	3·70	6	8·08	19·31	?	48·07	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—...... Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the return are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 21*st August* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 24TH OF AUGUST 1888.

The principal feature in the meteorology of the week under review has been the formation and advance of a cyclonic storm over South-West Bengal. Even at the close of the previous week there were slight indications of the possible formation of a barometric depression in the north-west angle of the Bay, but these indications had not developed at all on Saturday, the 18th, and conditions were still of ordinary south-west monsoon character. On Sunday, the 19th, though pressure was rising over the whole of South-West Bengal, the wind directions showed that there was a small cyclonic circulation of winds or whirl setting up over the Soonderbuns, the centre of the circulation being about east or east-south-east of Saugor Island. On Monday, the 20th, pressure had fallen at the head of the Bay, and the wind circulation became rather more complete, but on this day the centre of the whirl was to the south of Saugor Island. On Tuesday, the 21st, the centre of the cyclonic circulation had again shifted back to the east or south-east of Saugor Island, while the depression had increased very slightly in intensity, and on Wednesday, the 22nd, the centre of the small storm passed inland and was to the north-east of Saugor Island, and with the advance of the storm centre over the land pressure fell rather rapidly over South-West Bengal. The wind velocities at all stations in the neighbourhood of the depression on this day were very small—thus at Saugor Island a velocity of 19 miles was registered, at Calcutta 9 miles, at Burrisal 5 miles, and at False Point 12 miles. On Thursday morning at 8 A.M., and again in the report for 10 A.M., the centre of the small storm was shown to be close to Calcutta, apparently within a few miles of it, and a little to the south-east, and the barometer had again fallen, making the barometric depression at the centre of the storm considerable. Notwithstanding the considerable depression the wind velocities at the stations affected by the storm were very small, and thus at Saugor Island there was a wind velocity of only 13 miles, at Calcutta 9 miles, and at Jessore 12 miles, though to the east, west and south of the storm, winds were decidedly strengthening, and moderately strong winds were blowing. In the 24 hours from the 22nd to 8 A.M. of the 23rd the small storm had apparently moved about 30 or 35 miles in a north-westerly direction, and the storm centre was certainly about 60 or 65 miles inland. Over the whole of South-West Bengal on this day, winds were only light to moderate in force, and it appeared as if throughout its existence the storm would only give feeble winds, though the rainfall accompanying it was heavy, and falls of six and seven inches had been reported in Orissa on the morning of the 23rd. At the head of the Bay, it was believed that squally weather only prevailed in connection with the storm, for the storm centre was actually a considerable distance inland, and for certainly a diameter of 120 miles in the centre of the storm only light to moderate winds were blowing. Conditions however, began to change on Thursday afternoon, and the storm centre commenced to advance more rapidly than hitherto, and by 6 P.M. it was almost to the east of Calcutta, and by 8 P.M. it was slightly to the east-north-east of that station. With the advance of the storm, winds commenced on the afternoon of this day to increase in force at Saugor Island, though up to about 3 P.M. moderate westerly winds only were blowing. After this time a strong south-westerly gale sprang up, and for some hours it continually increased in strength. As pointed out above, when this south-westerly and south-south-westerly gale sprang up at Saugor Island, the storm centre was at least 60 to 70 miles inland, being near Calcutta and therefore to the north-north-east of Saugor Island. In other words, it is evident that this south-westerly gale formed no part of the true cyclonic circulation of winds accompanying the storm, but was merely an after-effect produced mainly by the strong indraught towards the storm in its advance over the land, and which south-westerly winds helped to feed the cyclonic circulation, which also at this time increased rapidly in force. That such is the case is clear, for with the centre of the storm to the east of Calcutta a cyclonic circulation of winds could only have given a north-westerly gale at Saugor Island, whereas when the wind direction was west at Saugor Island the velocity was still light. At what time this south-westerly gale sprang up at sea in connection with the storm it is difficult to say, for the land observations gave no indication of its existence until the storm actually commenced to blow at Saugor Island.

Notwithstanding that the actual storm area was well inland, as the strong south-westerly gale continued to blow at Saugor Island during the evening of the 23rd with unabated force, it was thought desirable to warn the shipping in the port of Calcutta and the river Hooghly of the existence of the stormy weather, and at 1-20 A.M. on the 24th orders were issued to the signal stations in the river and port to hoist No. 10 night warning signal to be followed at daylight by No. 9 danger signal, and these signals were kept hoisted until orders were given at 8 A.M. on the 25th to have them lowered. The southerly gale of wind at Saugor Island continued to increase in force until 5 A.M. of the 24th, when the extremely high wind velocity of 72 miles an hour was recorded, and throughout the 24th, until about 7 A.M. of the 25th, a gale of wind continued to blow, but at that time the weather commenced decidedly to moderate. At Calcutta winds continued light up till about 3 o'clock on the 24th, at which hour the velocity was only 10 miles an hour, from 3 to 4 o'clock it had increased to 20 miles, and from that time it gradually but steadily increased up till 8 o'clock, when it was blowing at 34 miles an hour, but after this time it gradually decreased again.

At 8 A.M. on the morning of Friday, the 24th, the centre of the storm was to the north of Calcutta, and at 10 A.M. the centre was nearly over Krishnaghur. The storm had intensified very rapidly during the 24 hours from the 23rd to the 24th, and on the latter day it was a very influential storm with the remarkable difference that, while on the 23rd at all stations

within 60 or 70 miles of the centre of the storm the winds were particularly light, and at some stations it was even calm, on the morning of the 24th there was a very vigorous cyclonic circulation round the centre. The lowest pressures recorded in connection with the storm do not appear to have been coincident with the passage of the centre of the wind circulation, and at Calcutta pressure continued to fall for some time after the wind had gone round to the south-west, the lowest pressure recorded being 29·313 inches at 6 A.M. of the 24th, while at 10 A M. of the 24th a pressure of 29·354 inches was recorded at Krishnaghur. The subsequent history of this storm belongs to the meteorology of the following week.

Another but much less important fact in the meteorology of the week has been the subsequent history of the depression which had formed in Bengal at the close of the previous week, and which on Friday, the 17th, was lying over part of South Behar and Chutia Nagpur. This depression continued to march in a westerly direction, and on the 18th it was in Bundelkund, and the centre between Sutna and Nowgong; on the 19th it was in Central India, and the centre was some distance to the south-west of Jhansi; on the 20th it was in Western Rajputana, and the centre was approaching Mount Abu; on the 21st it was approaching the Runn of Cutch, and on the 22nd the depression filled up rapidly, and by the morning of the 23rd it had completely disappeared. This storm had therefore a life-history of eight days from 15th to the 23rd, though after the 18th it practically ceased to affect Bengal. It also travelled over a path about 1,200 or 1,300 miles long in its westerly advance.

Pressure.—Owing to the existence of the two small storms above alluded to, pressure has been decidedly below the normal in most of the southern and south-western districts. At Calcutta the mean pressure for the week has been 0·118 inch below the normal, at Saugor Island 0 096 inch below it, and at Burdwan 0·095 inch below it. In the north of the province pressure has been slightly above the normal, and thus at Durbhanga the excess pressure has been 0 016 inch, at Purneah 0·007 inch and at Bankipur 0 009 inch. For the whole province the mean pressure for the week has been 0 042 inch in defect of the normal. In Assam the mean pressure has been almost absolutely normal.

Temperature—Has been below the normal in all districts, the defects ranging from one to two and-a-half degrees. The mean temperature of the province for the week has been 1·9° below the normal. In Assam the mean temperature has been in excess of the normal by 0·7°.

Rainfall—Has been fairly general throughout the week, and with the development and increase in intensity of the storm in South-West Bengal at the end of the week, rainfall became excessively heavy in Orissa and over the southern districts of South-West Bengal. Thus on the 24th Mohesreka (Oolooberia) reported the very large fall of 15·42 inches, while falls exceeding 10 inches (from 6 P M. of the 23rd to 6 P.M. of the 24th) occurred at Calcutta, Saugor Island, Dum-Dum and Howrah, and falls exceeding three and four inches were very numerous. The rainfall of the province for the week has generally been very largely in excess of the normal. In Orissa the excessive fall of 11·39 inches is reported, which is about 9 inches in excess of the normal. In South-West Bengal the falls have averaged no less than 7·42 inches, or more than four inches in excess of the normal. In East Bengal an average fall of 5 39 inches is reported, or nearly two inches in excess of the normal. In Behar the falls have averaged from nearly two to three inches, or about the usual amount for the period. In Chutia Nagpur an average fall of 4·64 inches is reported, which is about an inch more than the normal. Finally, the smallest falls have occurred in North Bengal, where an average amount of only 1·87 inches is recorded. This fall is nearly an inch smaller than the normal, and this district is therefore the only one where the falls have not been plentiful.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 24th of August 1888 :—

Meteorological Divisions.	Temperature						Rainfall.									
	Averages for week.						Of week.			Rainy days.			Since 1st of month.		Since 15th.	
				...lowest of each day.	Of mean for each day	...verage mean of week above or below normal mean of...				Average ... week.	Normal ...					
Orissa	89·0	73·1	84·3	77·2	80·8	−2·4	11·39		+8·77	4·8	4·4	+0·4	19·42	9·29	32·73	38·00
South-West Bengal	94·1	73·7	84·9	76·6	80·8	−2·4	7·43	3·03	+4·39	6·3	4·5	+1·8	14·97	10·58	30·25	35·37
East Bengal	90·1	71·6	80·6	75·3	80·5	−1·6	5·39	3·38	+2·01	6·0	5·0	+1·0	15·91	23·09	40·89	51·78
North Bengal	91·8	72·8		76·5	82·4	−1·1	1·87	2·69	−0·82	·1	4·1	+1·0	9·71	10·58	41·43	47·84
North Behar	92·7	71·7	88·2	76·5	82·4	−1·7	1·76	2·30	−0·54	3·8	3·5	+0·3	8·35	8·89	29·65	31·85
South Behar	93·4	74·6	86·7	76·9	81·8	−2·1	3·00	2·59	+0·41	5·6	3·7	+1·9	9·50	9·09	31·04	29·62
Chutia Nagpur	82·4*		80·2*	71·1*	76·7*	−1·9*	4·64	3·16	+1·48	6·5	5·0	+1·5	13·39	10·91	36·38	33·98
Assam	96·6	74·8	90·0	77·8	83·9	+0·7										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 28th August 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 19th to 25th August 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Hygrometry. Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
August	19th ...	79·0	89·0	11·4	77·6	77·8	·938	77·3	94	0·40
"	20th ...	81·2	88·5	10·5	78·0	78·3	·952	77·7	89	0·06
"	21st ...	80·3	86·1	9·3	76·8	78·3	·943	77·5	91	0·74
"	22nd ...	79·1	84·9	9·0	75·9	77·4	·918	76·7	92	0·05
"	23rd ...	77·8	80·1	4·1	76·0	77·3	·932	77·1	98	0·58
"	24th ...	75·0	75·7	0·7	75·0	75·0	·870	75·0	100	9·96
"	25th ...	78·4	83·9	9·1	74·8	77·4	·928	77·0	95	0·74

	°
The mean temperature of the seven days	78·7
The extreme variation of temperature	14·2
The maximum temperature	89·0
	%
The mean relative humidity	94
	Inches.
The total fall of rain from 19th to 25th August 1888	12·53

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 27*th August* 1888.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

The birth and death returns of the principal Municipalities in Bengal furnish the following results for the week ending 11th August 1888 :—

1. That the ratios per *mille* of births and deaths for the period above referred to stood at—births 19·8 as opposed to 19·4 during the preceding week, and deaths 24·6 against 23·9.

2. That in the following Municipalities births and deaths were reported to have been recorded at the highest rates :—

Births.

	Ratio per *mille.*
Monghyr	43·4
Gya	30·8
Bhagulpore	29·0

Deaths.

	Ratio per *mille.*
Gya	67·6
Chupra	43·0
Puri	42·0
Arrah	38·3
Comillah	34·7
Monghyr	31·6
Mozufferpore	29·2

3. That the mortality from the specific death-causes stood as follows in comparison with the similar information for the preceding week :—

	Ratio per *mille* during the weeks ending—	
	11th August 1888.	4th August 1888.
Cholera	5·6	3·8
Small-pox	·03	·1
Fever	8·1	9·3
Bowel-complaints	2·8	2·8
Injury	·5	·7
Other causes	7·5	7·1

The above figures show chiefly that there was a noticeable increase of fatal results from cholera and a decrease in those from fever.

4. That the following Municipalities returned conspicuously high mortality from cholera and the maladies coming under the head of "Other causes."

Cholera.

	Ratio per *mille.*
Gya	28·7
Chupra	24·4
Puri	23·1
Arrah	17·9
Mozufferpore	15·8
Patna	5·2
Suburbs of Calcutta	2·3

Other causes.

	Ratio per *mille.*
Gya	18·4
Puri	12·6
Monghyr	11·8
Mozufferpore	10·9
Midnapore	10·8

That no Municipality exhibited any severe prevalence of the other diseases mentioned in the table appended before, excepting Comillah, where 27 per 1,000 of the population died from fever.

5. That the mortality of the week, classified under the heads of *Sex*, *Class* and *Age*, stood as follows :—

According to Sex.

	Ratio per *mille.*
Males	25·7
Females	23·3
Ratio of male deaths to every 100 female deaths	125

According to Class.

	Ratio per *mille.*
Christians ...	13·0
Hindus ...	26·2
Mahomedans ...	21·4
Other classes ...	36·4

According to Age.

	Ratio per *mille.*
Under 1 year ...	192·1
1 and under 5 years ...	36·0
5 „ 10 „ ...	18·6
10 „ 15 „ ...	16·7
15 „ 20 „ ...	16·7
20 „ 30 „ ...	17·8
30 „ 40 „ ...	11·8
40 „ 50 „ ...	18·5
50 „ 60 „ ...	30·0
60 years and upwards ...	42·0

W. H. Gregg, M.B., *Surgeon-Major,*
Offg. Sanitary Commissioner for Bengal.

The 27th August 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 11th August 1888.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION. Males.	POPULATION. Females.	POPULATION. Total.	BIRTHS. Number of— Males.	BIRTHS. Number of— Females.	BIRTHS. Number of— Total.	BIRTHS. Ratio per 1,000 of population per annum. Males.	BIRTHS. Ratio per 1,000 of population per annum. Females.	BIRTHS. Ratio per 1,000 of population per annum. Total.	Ratio of male births to every 100 female births.	MORTALITY ACCORDING TO— Disease. Deaths from— Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio per 1,000 of population per annum. Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Sex. Deaths. Males.	Sex. Deaths. Females.	Ratio per 1,000 of population per annum. Males.	Ratio per 1,000 of population per annum. Females.	Ratio of male deaths to every 100 female deaths.
Burdwan	Burdwan	18,063	16,017	34,060	6	1	7	9·1	1·5	10·7	600	..	...	8	2	1	3	11	...	...	12·2	3·0	1·5	4·6	21·4	22·9	9	5	25·9	16·2	180
Midnapore ...	Midnapore	16,927	16,633	33,560	8	7	15	12·4	10·8	23·2	114	1	...	6	2	.	7	16	1·5	..	9·3	3·1	.	10·8	24·8	12·4	8	8	24·6	25·0	100
Hughli	Hughli and Chinsurah ...	19,179	19,539	38,718	3	12	15	4·0	16·1	20·1	25	...	...	6	1	...	3	10	...	...	8·0	1·3		4·0	13·4	8·1	4	6	10·8	21·1	66
Serampore	Serampore	13,559	12,937	26,496	8	4	12	15·7	7·8	23·5	200	1	...	4	4	..	4	13	1·9	...	7·8	7·8		7·8	23·5	19·6	7	6	26·8	24·1	116
	Utterpara	3,046	2,464	5,510	1	...	1	9·4	...	9·4	No female birth.	...	...	2	...	...	...	2	...	...	18·9	...	.	.	18·9	18·9	1	1	17·0	21·1	100
Howrah	Howrah	53,153	37,660	90,813	20	20	40	11·4	11·4	22·8	100	2	...	11	5	.	6	24	1·1	...	6·3	2·8	.	3·4	13·7	17·2	16	8	15·7	11·0	200
	Bali	7,836	6,979	14,815	3	...	3	10·5	...	10·5	No female birth	1	...	1	1	...	...	3	3·5	...	3·5	3·5	...	...	10·5	7·0	2	1	13·3	7·5	200
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	41	38	79	8·5	7·8	16·3	107	11	..	40	15	1	38	108	2·3	...	8·3	3·7	·2	7·8	22·3	30·2	59	49	20·8	24·4	120
Nuddea	Kishnaghur	13,263	14,214	27,477	4	2	6	7·6	3·8	11·4	200	...	...	3	..	..	2	5	.	...	5·6		...	3·8	9·4	1·9	2	3	7·8	11·0	66
	Ranaghat	4,028	4,655	8,683	1	...	1	6·0	...	6·0	No female birth.	.	...	1	..	...	...	1	...	...	6·0	...	...	...	6·0	..	1	...	12·9	...	No female death.
	Santipore	13,708	15,979	29,687	2	3	5	3·5	5·3	8·8	66	...	...	1	...	...	...	1	...	...	1·7	...	..	...	1·7	8·8	..	1	...	3·2	No male death.
Jessore	Jessore	4,830	3,665	8,495	...	1	1	...	6·1	6·1	No male birth.	..	...	1	...	...	...	1	...	...	6·1	..	...	...	6·1	......	...	1	...	14·2	No male death.
Rajshahye	Rampore Beauleah ...	10,766	9,025	19,791	3	5	8	7·9	13·1	21·0	60	...	...	2	...	..	1	3	...	...	5·2	...	...	2·6	7·9	26·3	1	2	4·8	11·5	50
Darjiling	Darjiling*	5,029	2,947	7,976	...	2	2	...	13·0	13·0	No male birth	...	...	..	1	...	1	2	...	...	...	6·5	...	6·5	13·0	45·6	1	1	10·3	17·6	100
Dacca	Dacca	42,782	37,379	80,161	13	7	20	8·4	4·5	13·0	135	3	...	6	7	.	14	30	1·9	...	3·9	4·5	...	9·1	19·4	16·2	19	11	23·1	15·3	172
	Narainganj	7,605	4,956	12,561	1	5	6	4·1	20·7	24·8	20	1	...	1	...	...	1	3	4·1	...	4·1	.	...	4·1	12·4	12·4	1	2	6·8	30·0	50
Chittagong	Chittagong	13,340	8,790	22,130	2	1	3	4·7	2·3	7·0	200	...	...	3	1	...	..	4	...	...	7·0	2·3	...	...	9·4	2·3	4	...	15·6	...	No female death.
Tipperah	Comillah	8,153	5,353	13,506	3	3	6	11·5	11·5	23·1	100	...	...	7	...	...	2	9	...	..	27·0	.	...	7·7	34·7	11·5	5	4	31·9	38·8	125
Patna	Patna City	78,762	81,475	160,237	38	20	58	12·3	6·5	18·8	190	16	...	19	9	1	23	68	5·2	...	6·1	2·9	·3	7·5	22·0	27·6	35	33	23·1	21·0	106
Gya	Gya	38,290	37,831	76,121	22	23	45	15·0	15·7	30·8	95	42	1	20	4	5	27	99	28·7	·7	13·7	2·7	3·4	18·4	67·6	57·4	68	31	92·3	41·6	219
Shahabad	Arrah	20,960	22,505	43,465	7	8	15	8·3	9·6	17·9	87	15	...	11	1	.	5	32	17·9	...	13·2	1·2	...	6·0	38·3	16·7	15	17	37·2	39·3	88
Mozufferpore ...	Mozufferpore	23,084	19,658	42,742	8	5	13	9·7	6·1	15·8	160	13	...	1	...	1	9	24	15·8	...	1·2	...	1·2	10·9	29·2	24·3	15	9	33·7	23·8	166
Durbhanga ...	Durbhanga	33,774	32,322	66,096	14	9	23	11·0	7·1	18·1	155	...	..	12	4	1	8	25	...	...	9·4	3·1	·8	6·3	19·7	19·7	14	11	21·8	17·7	127
Sarun	Chupra	26,044	27,205	53,249	13	11	24	13·7	10·7	23·4	118	25	...	5	2	2	10	44	24·4	..	4·9	1·9	1·9	9·8	43·0	21·5	18	20	35·9	49·7	69
Bhagulpore ...	Bhagulpore	29,640	27,813	57,453	18	14	32	16·3	12·7	29·0	128	...	...	15	1	.	9	25	...	...	13·6	·9	...	8·1	22·6	26·2	11	14	19·3	26·2	78
Monghyr	Monghyr	28,154	29,366	57,520	27	21	48	24·4	19·0	43·4	128	...	...	15	7	...	13	35	...	...	13·5	6·3	...	11·8	31·6	25·9	21	14	38·8	24·8	150
Purneah	Purneah	8,463	6,553	15,016	2	4	6	6·9	13·9	20·8	50	...	.	5	...	...	...	5	...	...	17·3	...	...	...	17·3	17·3	3	2	18·4	15·9	150
Puri	Puri	13,247	11,537	24,784	4	5	9	8·4	10·5	18·9	80	11	..	1	...	2	6	20	23·1	...	2·1	...	4·2	12·6	42·0	35·7	8	12	31·4	54·1	66
	TOTAL ...	702,8[illegible]0	619,691	1,322,581	272	231	503	10·7	9·1	19·8	117	142	1	207	70	14	192	626	5·6	·03	8·1	2·8	·5	7·5	24·6	3·9	348	278	25·7	23·3	125

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

		13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class										Age																			
DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	:	10	4	...	...		23.9	20.3	..	...	2	...	1	...	1	2	...	2	4	2	157.6	......	22.3	......	10.6	13.1	......	23.5	84.7	70.2
Midnapore ...	Midnapore ...	...	14	2	...	...	.	23.1	14.4	...	...	2	1	.	...	1	2	2	4	.	4	140.0	22.1	......	.. .	10.5	14.2	18.8	55.8	......	113.7
Hughli ...	Hughli and Chinsurah ...	...	8	2	...	.	...	13.1	15.2	..	.			3	1	.	.	.	1	1	4	..	. ..	44.3	17.2	......	......	......	10.1	15.9	83.0
Serampore ...	Serampore ...	1	11	1	...	...	163.0	22.7	55.4	..	...	2	3	...	...	1	2	..	2	1	2	146.5	86.4	......	....	13.5	19.3	......	30.8	27.2	74.8
	Utterpara ...	...	2	...	...	...	...	19.5	.	...	.			...	..	...	...	...	1	1	..	. . ..	......	......	...	......	......	......	74.2	141.3	......
Howrah ...	Howrah ...	...	16	7	...	1	..	12.3	17.7	...	215.8	7	2	1	2	2	2	3	3	1	1	170.4	15.8	8.3	13.8	14.2	4.6	8.1	18.3	9.5	13.9
	Bali ...	...	3	...	...	...	...	11.6	...	..	...	..	..		..	.	2	...	.	.	1	......	......	......	. .	......	31.1	......	......	......	71.0
24-Pergunnahs ...	Suburbs of Calcutta ...	2	74	32	...	..	25.7	25.7	17.2	...	..	23	6	4	2	10	24	13	10	8	8	251.0	19.3	10.5	5.8	23.9	21.5	13.1	15.3	24.5	29.2
Nuddea ...	Kishnaghur ...	.	2	3	...	...	.	5.6	18.8	...	...	2		...	1	..	...	...	...	1	1	209.7	......	......	18.5	. . .	......	......	......	24.7	30.1
	Ranaghat ...	...	1	...	...	...	..	7.1	.	...	..	...	.		...	...	...	...	...	..	1	..	.. ..	......	......	......	......	......	......	......	91.4
	Santipore ...	...	1	. .	...	...	.	2.5	.	...	...	.	1		.			...	...	...	...	......	18.0	......	......	......	......	......	......	......	......
Jessore ...	Jessore ...	...	1	...	...	...	...	11.5	...	...	...	..	..		...	...	...	...	...	. .	1	... .	......	......	......	......	......	......	......	......	113.5
Rajshahye ...	Rampore Beauleah ...	...	3	. .	...	...	...	15.7	...	...	...	...	1	1	..	.	...	1	..	.	.	......	36.7	25.0	......	......	......	14.4	......	......	......
Darjiling ...	Darjiling ...	...	3	...	...	...	...	23.0	..	...	...	. .	..	1	1	...	. .	..	...	...	...	. ....	... .	88.9	106.6	......	......	......	......	......	......
Dacca ...	Dacca ...	...	12	18	...	...	...	15.5	23.8	...	...	7	5	2	1	2	3	2	3	2	3	191.8	35.3	10.5	6.5	14.2	10.2	8.9	18.6	22.0	28.0
	Naraingunj ...	...	1	2	...	...	...	5.2	16.9	...	...	...	...	...	1	. .	1	...	1	..	...	... ..	......	......	45.8	......	19.5	......	37.3	......	......
Chittagong ...	Chittagong ...	...	2	2	...	...	.	17.9	6.5	...	...	. .	...	...	1	...		...	2	...	1	......	......	......	20.2	......	......	......	46.1	......	65.3
Tipperah ...	Comillah ...	...	5	4	...	...	...	43.7	28.1	..	...	3	.	.	1	2	2	...	1	...	...	525.3	......	......	35.6	82.7	37.6	......	39.6	......	......
Patna ...	Patna City ...	...	57	11	...	...	...	24.9	14.0	...	...	17	14	7	4	1	9	2	3	4	7	295.1	49.8	21.6	14.5	4.6	16.2	4.4	8.3	14.7	26.4
Gya ...	Gya ...	...	85	14	...	...	...	73.6	45.3	...	...	9	13	6	14	5	9	7	4	23	9	261.5	106.4	44.6	118.2	49.6	31.5	28.6	21.3	183.0	90.9
Shahabad ...	Arrah ...	...	14	18	...	...	...	23.5	75.4	...	...	3	8	6	2	2	4	2	...	1	4	121.1	93.8	60.8	23.6	33.0	26.4	16.1	......	16.8	72.1
Mozufferpore ...	Mozufferpore ...	...	17	7	...	...	...	29.4	29.2	...	...	2	2	3		2	4	2	5	3	1	108.9	25.7	34.7	. ....	34.3	24.2	14.9	51.9	48.0	21.3
Durbhanga ...	Durbhanga ...	...	21	4	...	...	...	22.6	11.8	...	...	3	2	5	2	...	5	3	3	1	1	100.2	13.7	33.2	18.7	. . .	19.5	14.0	21.0	11.6	16.3
Sarun ...	Chupra ...	...	32	12	...	...	...	40.5	51.9	...	...	6	6	1	2	1	11	3	6	4	4	216.1	58.7	8.4	20.2	14.6	60.1	19.3	49.7	49.3	59.8
Bhagulpore ...	Bhagulpore ...	...	19	6	...	...	...	24.8	18.1	...	...	11	5	.	..	1	3	1	1	...	3	479.1	48.0	......	......	12.4	14.3	5.6	8.1	......	43.3
Monghyr ...	Monghyr ...	...	25	10	...	...	...	29.1	41.4	...	...	10	5	1	1	...	4	5	4	...	5	350.3	41.8	7.4	9.1	......	30.1	29.1	32.6	......	72.5
Purneah ...	Purneah ...	...	3	2	...	...	...	17.0	18.4	...	...	...	. .	1	...	. .	1	1	1	. .	1	......	... ..	32.9	......	......	15.8	18.2	28.0	......	64.4
Puri ...	Puri ...	...	20	...	...	...	...	43.4	...	...	...	3	2	4	1	1	3	5	...	..	1	514.9	57.9	92.8	27.7	28.9	29.5	64.3	.. .	......	28.8
	TOTAL ...	3	461	161	...	1	13.0	26.2	24.4	...	36.4	113	76	47	37	32	93	53	57	55	65	192.1	36.0	18.6	16.7	16.7	17.8	11.8	18.5	30.0	42.0

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 27th August 1888.

W. H. GREGG, M.B., *Surgeon-Major,*
Offg. Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 25th August 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 25th August 1888.			Week ending Saturday, the 27th July 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	383	92,325	1,559	549	87,715	1,450
Jute	49	23,500	424	46	21,025	371
Firewood	124	64,525	966	128	56,350	849
Other articles	536	1,12,630	1,686	813	2,00,880	3,084
Total ...	1,092	2,92,980	4,635	1,536	3,65,970	5,754

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 18th August 1888, on 1,513¾ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	216,961	2,29,628 8 0	21,07,609 10	4,07,017 13 0	15,866 7 4	6,52,512 11 4	65,351	75,399½	140,750½
Or per mile of railway	...	151 11 2		268 14 1	10 7 8	431 0 11	...	...	.....
For previous 6 weeks of half-year ...	1,396,102	13,60,034 9 0	1,33,27,243 20	26,28,153 0 3	98,527 13 6	40,86,715 5 9	383,982	469,456½	853,438½
Total for 7 weeks ..	1,613,063	15,89,663 1 0	1,54,34,852 30	30,35,170 12 3	1,14,394 3 10	47,39,228 1 1	449,333	544,856	994,189
Comparison									
Total for corresponding week of previous year	254,542	2,36,976 11 9	17,49,650 20	3,59,442 0 0	16,225 1 0	6,12,643 13 3	65,703	72,578	138,281
Per mile of railway corresponding week of previous year	...	156 0 2	..	236 10 1	10 10 11	403 5 2	...	....	...
Total to corresponding date of previous year	1,781,744½	17,89,472 12 1	1,50,70,360 0	32,07,767 5 3	1,23,228 3 1	50,70,468 4 5	474 771	600,270	1,075,041

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888			Total increase in 1888.	Total decrease in 1888
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	6,12,644	403	1,513¾	6,52,513	431	1,519	1,74,78,017	575	*1,513¾	1,66,72,155	551	......	8,05,862

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 18th August 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,599	4,869 9 0	29,757 30	2,155 5 0	33 0 0	7,057 14 0	1,790	604	2,394
Or per mile of railway	185½	85 2 1	520 10	37 10 11	0 9 3	123 6 3		... ..	.. ...
For previous 6 weeks of half-year ..	56 867	26,371 12 0	2,03,166 10	14,355 12 0	158 6 0	40,885 14 0	10,164	4,284	14,448
Total for 7 weeks ...	67,466	31,241 5 0	2,32,724 0	16,511 1 0	191 6 0	47,943 12 0	11,954	4,888	16,842
Comparison.									
Total for corresponding week of previous year	10,649	4,916 1 4	43,933 20	2,430 12 0	51 13 0	7,437 10 4	1,775	990	2,765
Per mile of railway corresponding week of previous year	186	86 7 6	768 10	42 10 6	0 14 6	130 0 6	......	......	...
Total to corresponding date of previous year	79,812½	38,987 6 10	3,06,434 30	18,682 1 0	247 6 6	57,916 14 4	12,434	5,674	18,158

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	7,433	130	57½	7,058	123	57½	1,77,078	156	57½	1,63,838	143	......	13,240

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 18th August 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,792	454 11 0	6,033 10	167 10 0	6 0 0	628 5 0	412½	81	493½
Or per mile of railway ..	......	37 14 3	... .	13 15 6	0 8 0	52 5 9	......	......	......
For previous 6 weeks of half-year	18,318	3,124 12 0	44,245 0	1,112 8 0	60 13 0	4,298 1 0	2,326	869	3,195
Total for 7 weeks ...	21,110	3,579 7 0	50,278 10	1,280 2 0	66 13 0	4,926 6 0	2,738½	950	3,688½
Comparison.									
Total for corresponding week of previous year .. .	4,322½	711 4 8	6,904 0	150 2 0	1 1 3	863 7 11	432	61	493
Per mile of railway corresponding week of previous year	... .	59 4 5	.. ..	13 0 2	0 1 5	72 6 0	......	......	......
Total to corresponding date of previous year	22,340	3,687 5 1	63,100 0	1,493 4 0	56 3 0	5,236 12 1	2,922	670	3,592

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs		Rs.	Rs.	Rs.	Rs.
12	868	72	12	628	52	12	19,887	83	12	20,765	87	928	......

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 18th August 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,617	2,907 2 0	74,761 30	1,799 8 0	164 0 0	4,870 10 0	631	847	1,478
Or per mile of railway .. .	.....	38 13 10		24 0 11	2 3 1	65 1 10	.....	......	......
For previous 6 weeks of half-year	26,479	18,482 1 0	4,62,829 20	18,068 5 0	603 1 0	37,153 7 0	3,963	7,551½	11,514½
Total for 7 weeks ...	31,096	21,389 3 0	5,37,591 10	19,867 13 0	767 1 0	42,024 1 0	4,594	8,398½	12,992½
Comparison.									
Total for corresponding week of previous year	4,420½	3,012 9 0	81,515 10	2,684 9 0	114 13 9	5,811 15 9	697	809	1,506
Per mile of railway corresponding week of previous year	.. ...	40 4 4	... ..	35 14 3	1 8 7	77 11 2	......	......	......
Total to corresponding date of previous year	35,557	20,860 3 11	5,84,157 10	17,723 5 0	708 6 6	45,291 15 5	5,245	7,773	13 018

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	5,812	78	74½	4,871	65	74½	1,59,294	106	74½	1,47,619	99	.....	11,675

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 18th August 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s	Rs. A. P.	Rs. A. P	Rs. A. P.			
Total traffic for the week ..	16,600	4,217 15 0	2,380 20	89 9 0	9 7 0	4,316 15 0	937	31	968
Or per mile of railway	...	189 9 2		4 0 5	0 6 9	194 0 4	...		...
For previous 6 weeks of half-year	116,741	20,250 1 0	18,650 10	682 13 0	34 1 0	29,966 15 0	5,560	336	5,896
Total for 7 weeks .	133,341	33,468 0 0	21,030 30	772 6 0	43 8 0	34,283 14 0	6,497	367	6,864
COMPARISON									
Total for corresponding week of previous year	14,840	3,424 0 5	2,761 0	108 10 0	5 2 0	3,531 13 5	970	42	1,012
Per mile of railway corresponding week of previous year	...	153 14 3	... ..	4 9 9	0 3 8	158 11 8	.	... .	.
Total to corresponding date of previous year	125,014	29,862 0 8	27,343 30	1,038 2 0	39 12 3	30,939 14 11	6,883	365	7,248

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	3,532	159	22½	4,317	194	22½	1,08,010	243	22½	1,18,591	267	10,581	.....

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 18th August 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	103,557	46,011 0 0	581,023 0	1,53,885 0 0	11,111 0 0	2,11,007 0 0	21,712	23,698	45,410
Or per mile of railway .	154	68 0 0	790 0	229 0 0	*3 0 0	300 0 0	.	...	...
For previous 6 weeks of half-year	734,909	3,11,171 0 0	2,808,576 0	6,18,321 0 0	77,314 0 0	10,06,806 0 0	130,648	122,439	253,087
Total for 7 weeks ...	838,466	3,57,182 0 0	3,389,599 0	7,72,206 0 0	88,425 0 0	12,17,813 0 0	152,360	146,137	298,497
COMPARISON.									
Total for corresponding week of previous year ..	109,400	45,550 0 0	514,561 0	1,27,114 0 0	9,761 0 0	1,82,425 0 0	20,580	25,931	46,511
Per mile of railway corresponding period of previous year	170	71 0 0	798 0	197 0 0	*3 0 0	271 0 0	.....	......	......
Total to corresponding date of previous year	841,296	3,54,612 0 0	3,401,346 0	6,67,375 0 0	83,317 0 0	11,05,304 0 0	149,498	140,171	289,669

* Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,83,425	283	672	2,11,007	314	645	29,52,308	229	674	*31,66,730	235	2,14,422	......

* Audited up to 30th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 18th August 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,165	7,199 0 0	43,012 0	4,612 0 0	60 0 0	11,871 0 0	3,812	1,260	5,072
Or per mile of railway	185	58 0 0	344 0	37 6 0		95 0 0	.. .	. .	.....
For previous 6 weeks of half-year	147,243	46,220 0 0	1,91,240 0	13,532 0 0	472 0 0	60,224 0 0	22,967	11,193	34,160
Total for 7 weeks ...	170,408	53,419 0 0	2,34,252 0	18,144 0 0	532 0 0	72,095 0 0	26,779	13,053	39,832
Comparison.									
Total for corresponding week of previous year	23,638	7,417 0 0	47,131 0	5,503 0 0	620 0 0	13,540 0 0	3,673	2,272	5,945
Per mile of railway corresponding period of previous year ..	189	59 0 0	377 0	44 0 0	5 0 0	108 0 0	. ...	.. ...	......
Total to corresponding date of previous year	177,752	57,810 0 0	2,63,351 0	21,651 0 0	1,053 0 0	80,523 0 0	26,959	11,786	38,745

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	13,540	108	125	11,871	95	125	2,56,509	103	125	2,31,562*	93	... .	24,947

* Audited up to 30th June 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 18th August 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	No. of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,397	3,448 0 0	10,660 0	1,053 0 0	350 0 0	4,851 0 0	2,583	522	3,105
Or per mile of railway	121	40 0 0	124 0	12 0 0	4 0 0	56 0 0	.	.... .	.
For previous 6 weeks of half-year	72,296	23,495 0 0	40,973 0	2,595 0 0	1,125 0 0	27,215 0 0	14,372	4,255	18,627
Total for 7 weeks ..	82,693	26,943 0 0	51,633 0	3,648 0 0	1,475 0 0	32,066 0 0	16,955	4,777	21,732
Comparison.									
Total for corresponding week of previous year	14,952	4,022 0 0	7,695 0	663 0 0	108 0 0	4,793 0 0	2,093	311	3,004
Per mile of railway corresponding period of previous year	174	47 0 0	89 0	8 0 0	1 0 0	56 0 0	...	......	. ....
Total to corresponding date of previous year ...	83,737	25,726* 0 0	64,891 0	4,228 0 0	1,150 0 0	31,104 0 0	19,310	3,435	22,754

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	4,793	56	86	4,851	56	86	96,863	56	86	95,479*	56	......	1,384

* Audited up to week ending 30th June 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 18th August 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried	Receipts			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	2 776	821 0 0	17 050 0	1,030 0 0	20 0 0	1,871 0 0	546	546	1,092
Or per mile of railway	71	21 0 0	437 0	26 0 0	1 0 0	48 0 0	.....	.. ..	. .
For previous 6 weeks of half-year ...	17 288	5 554 0 0	1 15 935 0	8 726 0 0	135 0 0	14,415 0 0	3,276	3,276	6,552
Total for 7 weeks	20 064	6 375 0 0	1 32 985 0	9 756 0 0	155 0 0	16,286 0 0	3 822	3,822	7,644
COMPARISON.									
Total for corresponding week of previous year	6 913	2 705 0 0	3,902 0	397 0 0	12 0 0	3,114 0 0	702	546	1,248
Per mile of railway corresponding period of previous year	178	69 0 0	102 0	10 0 0	1 0 0	80 0 0	... ..	. . .	......
Total to corresponding date of previous year	26 672	9 311 0 0	60 355 0	5,848 0 0	311 0 0	15,470 0 0	4,354	3,978	8,332

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	3,114	80	39	1,871	48	39	55 547	71	39	*60,250	77	4,703	... ..

* Audited up to week ending 30th June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 18th August 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried	Receipts			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	2 523	966 0 0	14 613 0	914 0 0	7 0 0	1,887 0 0	509	254	763
Or per mile of railway	93	35 0 0	536 0	34 0 0		69 0 0	......	...	. ...
For previous 6 weeks of half-year ...	16 832	6,205 0 0	45 051 0	2,909 0 0	52 0 0	9,166 0 0	3,054	1,524	4,578
Total for 7 weeks	19 355	7,171 0 0	59 664 0	3 823 0 0	59 0 0	11,053 0 0	3,563	1,778	5,341
COMPARISON									
Total for corresponding week of previous year	2,778	985 0 0	18 416 0	1,087 0 0	11 0 0	2,083 0 0	509	363	872
Per mile of railway corresponding week of previous year	102	36 0 0	676 0	40 0 0		76 0 0	......	... ..	... .
Total to corresponding date of previous year	23 648	8 291 0 0	65 993 0	4,306 0 0	186 0 0	12,783 0 0	3,745	2,414	6,159

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	2,083	76	27½	1,887	69	27½	36,079	66	27½	37,258	68	1,179	.. ..

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 18th August 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	34,125	11,071 0 0	1,20,787 0	8,740 0 0	2,500 0 0	22,401 0 0	4,418	5,122	9,534
Or per mile of railway	132	43 0 0	466 0	34 0 0	2 0 0	79 0 0*	......	......	...
For previous 6 weeks of half-year	199,593	66,775 0 0	8,30,779 0	64,088 0 0	15,429 0 0	1,46,292 0 0	33,979	29,859	63,838
Total for 7 weeks ...	233,718	77,846 0 0	9,51,566 0	72,828 0 0	18,019 0 0	1,68,693 0 0	38,391	34,981	73,372
Comparison.									
Total for corresponding week of previous year on 249 miles open	62,201	23,792 0 0	65,369 0	6,085 0 0	3,113 0 0	32,990 0 0	7,648	3,760	11,408
Per mile of railway corresponding week of previous year ...	250	95 0 0	263 0	25 0 0	6 0 0	126 0 0*	......	......	.....
Total to corresponding date of previous year	283,836	97,244 0 0	9,30,302 0	76,803 0 0	25,967 0 0	2,00,014 0 0	47,461	36,915	84,366

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 20th August 1887.			Receipts for week ending 18th August 1888.			Total receipts from 1st April 1887 to 20th August 1887.			Total receipts from 1st April 1888 to 18th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	32,990	132	259	22,401	87	249	655,347	132	259	6,62,348	128	7,001	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 4th August 1888	10,492
Corresponding week last year	9,619
Increase	873
Receipts from 1st July to 4th August 1888	51,399
From 1st July to 6th August 1887	45,609
Increase	5,790
	Miles.
Miles open week ending 4th August 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 4th August 1888	205 11 5
Corresponding week last year	188 9 8
Increase	17 1 9

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 11th August 1888	9,507
Corresponding week last year	8,080
Increase	1,427
Receipts from 1st July to 11th August 1888	60,906
From 1st July to 13th August 1887	53,689
Increase	7,217
	Miles.
Miles open week ending 11th August 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 11th August 1888	186 6 7
Corresponding week last year	158 6 10
Increase	27 15 9

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CONTENTS.

RESOLUTION ON PROGRESS REPORT OF FOREST ADMINISTRATION REPORT IN BENGAL FOR 1887-88.

REVENUE DEPARTMENT—FORESTS.

Calcutta, the 3rd September 1888.

RESOLUTION.

READ—

The Progress Report of Forest Administration in Bengal for 1887-88.

This report is submitted by Mr. A. L. Home, Conservator of Forests, who was in charge of this Department throughout the year.

Area of forests.

2. The net result of the changes in the forest areas under the control of the Department is unimportant, and consists of a decrease to the extent of 3,605 acres, due to the exclusion of 3,761 acres of protected forests, and the inclusion of 156 additional acres of reserves, the quantity of unclassed State forest and waste land remaining unaltered. The total area of the reserved forests on the 31st March 1888 was 3,191,381 acres. Areas comprising about 140,190 acres in Chota Nagpore have been gazetted as proposed for reservation at various times since 1880, but settlement operations are still pending, and final notifications under section 19 of the Act have not in consequence issued.

Demarcation.

3. The record of the length of boundaries and the number of boundary marks in reserved forests, which is now reported to be fairly accurate, shows a total length of 3,515 miles, of which 2,165 have been demarcated by the erection of 31,157 posts or pillars, and the remaining 1,350 miles are natural boundaries not requiring

to be artificially defined. There were 44 miles newly demarcated during the season, while 1,058 miles were re-cleared, and 921 more miles were kept clear as fire traces. The average cost per mile of the fresh demarcation was Rs. 16, or almost double that of the preceding year, owing, it is explained, to the expense of labour in the Darjeeling and Teesta sub-divisions, and the more thorough clearance made in Khorda than formerly. On maintenance also the expenditure incurred showed an increase, the average cost being Rs. 7-2 as compared with Rs. 6-15 in 1886-87, due to a larger number of marks having been renewed.

The demarcation of the Angul reserve boundaries by the Cadastral Survey party employed in that estate had not been completed at the close of the year. The Lieutenant-Governor has now sanctioned the survey of the whole of the forest reserves in Angul, the cost being debitable to the settlement of the estate. In Singbhoom the forest boundaries adjoining the States of Bonai and Gangpur are reported to have been finally demarcated by the Special Sub-Deputy Collector employed on the duty since the close of the year.

Establishments.

4. The controlling staff, which was brought up to its sanctioned strength by an additional appointment made last January, now consists of one Conservator and twelve Deputy and Assistant Conservators. The Working Plans Division has not been re-opened, but it is hoped that it will now be found possible to spare an officer to resume the useful work done in this department. The Lieutenant-Governor has perused with satisfaction the generally favourable remarks regarding his subordinates recorded by Mr. Home, and these will as usual be communicated to the Appointment Department. He is glad to learn that punishments in the lower grades, both judicial and departmental, have been of less frequent occurrence than in previous years. The unpopularity of the service among natives of India in these Provinces appears, from the Conservator's remarks, to have been as noticeable as ever, and it is stated that many applicants for appointment as Foresters either declined to accept the posts offered them on learning that their head-quarters were located in the forests, or, having joined, remained in the service for a brief interval only. The circumstance was remarked with regret by the Government of India last year, and the suggestion was then thrown out that it might be desirable to try the experiment of importing foresters from other parts of India. This proposal has been considered by the Lieutenant-Governor in consultation with the Conservator, but it does not seem that effect can be given to it without increased expenditure ; and although there is some difficulty in obtaining candidates locally, it does not appear that it is by any means an insuperable one. The inhabitants of the Lower Provinces are of many races, and they cannot all be deficient in the tastes or qualifications requisite for efficient service in the Department. It may be necessary to take more pains in Bengal than elswhere to secure men of the right class, but no obstacle of this kind should be suffered to prevent local recruitment. That efficient Bengali foresters can be found is evinced from this report itself, in which the Conservator "regrets to have to record the death from fever of Baboo Gobind Chunder Sen, Forest Ranger, Chittagong Division;" and observes that "the Department has in him lost an excellent Executive officer," and also in a subsequent paragraph in which due credit is accorded to Baboo Sridhur Chuckerbutty for the management of his difficult charge in the Singbhoom sub-division.

Gunduck Drift Timber Rules.

5. In consequence of the anomalous position occupied by the Forest Officer of the Gorruckpore Division in his operations on the Bengal side of the river, it was found that the old rules for the collection of drift timber in the river Gunduck had led to much friction between the Forest and Civil Officers, and in all probability to the considerable loss of revenue to Government. After full discussion, the rules have recently been superseded and amended, and it is hoped that the work will now be carried out more satisfactorily. Since the close of the year a proposal has been made to apply the rules to the Koosee river also.

Breaches of the Forest Law.

6. The number of cases under the Forest Law taken into Court was only 516 against 839 last year and 624 in the preceding year. On the other hand the returns show a large increase, from 882 to 1,867, in the number of cases compounded,

and the net result is that, taking both classes of cases together, there is an increase of 662 cases. Of the cases compounded no less than 1,204 were in the Sunderbuns Division; the increase there amounts to 943 cases and is due to better supervision owing chiefly to the more constant tours made by gazetted officers. The offences compounded appear to have been such only as could be suitably dealt with in that manner, and the increase in the number so disposed of is no doubt satisfactory. The advantage is twofold, as offenders are naturally, as a rule, willing to compound venial infringements of the Act and rules rather than be subjected to a regular prosecution, while the system is convenient from a departmental point of view, as it obviates the necessity for leaving important revenue-collecting stations without responsible officers to accept payment of Government dues. The Conservator states that he is satisfied with its working, and has received no appeals against the estimates of damage made by his subordinates.

Protection from fires.

7. The total area over which protection from fire was attempted by means of isolation, and also by less extensive measures and rules, amounted to 1,134,646 acres, or 127,363 acres more than in the preceding year, and the percentage of area which escaped fire rose from 80·9 to 89·9. The expenditure incurred on this account was Rs. 18,107 against Rs. 14,378 in 1886-87. The Lieutenant-Governor considers that the average cost of 3·4 pies per acre protected during the year is far from excessive, especially as the results generally were very satisfactory. In reserved forests an area of 92·6 per cent. escaped fire during the exceptionally dry season of 1888 against 89 per cent. in 1887.

Grazing.

8. The total revenue derived from grazing and the sale of fodder rose from Rs. 6,680 to Rs. 7,737, almost half of the amount having been raised in the Darjeeling sub-division alone. The rules have continued to work satisfactorily, and rates are unchanged. The Conservator's proposals for the restriction of sheep-grazing in the Singalila Range the Lieutenant-Governor found himself for various reasons unable to accept.

Natural and artificial reproduction.

9. The record of observations shows that regeneration by means of natural reproduction has generally succeeded well. Favourable accounts are received from all the sub-divisions especially in regard to sâl trees. Under a system of improved fire protection, the grass is gradually disappearing and giving place to healthy sâl seedlings which in a few years will form thickets and suppress the grass. Regular plantations were extended by 294 acres and cultural operations by 7 acres, the total expenditure incurred amounting to Rs. 7,283 against Rs. 7,460 in 1886-87. These developments were again confined almost exclusively to the Darjeeling and Chittagong Divisions, while the cutting of creepers was principally carried on in Julpigoree and Buxa.

Outturn.

10. The outturn of wood was 26,041,197 cubic feet solid, against 24,485,093 cubic feet in 1886-87. The removal of timber by permit-holders increased by 992,339 cubic feet, but there was again a falling off of 340,779 cubic feet in the exports of fuel under these passes. There appears to have been a general advance in the demand for bamboos, but this was more than counterbalanced by the decline in the outturn of the Chittagong Division and the Palamow sub-division, due, in the former case, to frontier raids, and, as regards the latter, to the department having taken the work more into its own hands.

Financial results.

11. The financial results of the year compare very favourably with those of the three preceding years, the figures being as follow:—

	Receipts.	Charges.	Surplus.
	Rs.	Rs.	Rs.
1884-85	5,71,152	4,11,915	1,59,237
1885-86	5,97,432	3,70,399	2,27,033
1886-87	6,53 634	4,22,781	2,30,853
1887-88	6,57,794	3,90,368	2,67,426

The receipts were greater and the charges less than in 1886-87, and the surplus, therefore, is larger by Rs. 36,573.

It is observed that the receipts from the Sunderbuns are Rs. 3,97,301, from Darjeeling Rs. 99,460, and from Chittagong Rs. 70,023. The principal receipts are from timber Rs. 2,83,969, firewood and charcoal Rs. 1,92,467, and other minor produce Rs. 82,577. Bamboos yield Rs. 51,115. The heaviest expenditure is incurred in Darjeeling Rs. 1,07,548, the Sunderbuns Rs. 82,160 and Chota Nagpore Rs. 66,518. The total cost debited to conservancy and works is Rs. 1,73,731, and to establishments Rs. 2,16,635. The Financial results of the year as well as the general administration of the department are creditable to Mr. Home.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

THE following report is published for general information.

COLMAN MACAULAY,

Secretary to the Government of Bengal.

REPORT ON THE WORKING OF THE FIRE BRIGADE IN THE TOWN AND SUBURBS OF CALCUTTA AND IN HOWRAH DURING THE YEAR 1887-88.

No. 4329, dated Calcutta, the 15th August 1888.

From—The HON'BLE SIR HENRY L. HARRISON, KT., Commissioner of Police, Calcutta,

To—The Secretary to the Government of Bengal, Municipal Department.

I HAVE the honour to submit, under section 30 of Act IV (B.C.) of 1883, the following report on the working of the Fire Brigade in the town and suburbs of Calcutta and in Howrah for the year 1887-88.

2. The Brigade was in attendance at 34 fires during the year—11 in the town, 12 in the suburbs and 11 in Howrah—against 36 in the preceding year. The value of property destroyed was estimated at Rs. 53,655 against Rs. 64,375. The fires were less serious than in the previous year, and in the town the only fire which calls for special notice was on board the ship *Hutton Hall*, in which a cargo of jute to the value of Rs. 23,000 was destroyed. In the suburbs and in Howrah the fires were principally confined to thatched and tiled huts and to stacks of straw.

3. None of those fires was attended with loss of human life, nor did a fire occur at any of the jute warehouses.

4. A memorandum of the fires, as well as a statement of the receipts and expenditure of the Brigade, are enclosed.

5. During the year under review 35 prosecutions were instituted under section 23 of the Act, and convictions were obtained in all the cases.

6. No license for the sale of fireworks was withdrawn during the year.

Statement showing the actual Receipts and Disbursements of the Fire Brigade Fund for the year ending the 31st March 1888.

RECEIPTS.	Budget estimate for 1887-88.	Actual receipts for 1887-88.	Excess over budget estimate.	Less than budget estimate.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Balance on 31st March 1887 ...	11,930 0 0	24,975 11 2	13,045 11 2	......
Contribution of 80 per cent. fees from Town Corporation ...	17,680 0 0	16,972 12 9	... ..	707 3 3
Ditto ditto from Suburban Municipality ...	24,000 0 0	20,000 0 0	.. .	4,000 0 0
Ditto ditto from Howrah Municipality ...	4,440 0 0	4,664 0 0	224 0 0	.....
Fines under Jute Warehouse Act ...	100 0 0	. ..	... ..	100 0 0
Fees for licenses for fireworks (town) ...	290 0 0	110 0 0	.. ..	180 0 0
Ditto ditto (suburbs) ...	270 0 0	110 0 0	..	160 0 0
Hire of engines ...	200 0 0	230 0 0	30 0 0	.. ..
Fees under Petroleum Act ...	....	693 0 0	693 0 0	. .
Fines under Petroleum Act ...	.. ...	102 0 0	102 0 0	... ..
Ditto Explosives Act ...	.. ...	124 8 0	124 8 0	. .
Total ...	58,910 0 0	67,981 15 11	14,219 3 2	5,147 3 3

PAYMENTS.	Budget estimate for 1887-88	Actual expenditure for 1887-88.	Excess over budget estimate.	Less than budget estimate.
Establishment at Lall Bazar.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Superintendent, at Rs. 200 ...	2,400 0 0	2,400 0 0	.. ..	.
Engineer, at Rs. 150 ...	1,800 0 0	1,800 0 0	. . ..	..
Driver, at Rs. 120 ...	1,440 0 0	1,440 0 0	... ..	.
Fireman, at Rs. 10 ...	120 0 0	120 0 0	... ..	..
Tindals, at Rs 10 ...	360 0 0	360 0 0	.	..
Khallasees, at Rs. 7 ...	1,512 0 0	1,512 0 0	.	..
Syces, at Rs. 7 ...	924 0 0	924 0 0	..	
Personal allowance to 3 tindals, at Rs 2 ...	72 0 0	72 0 0	.	.
Total ...	8 628 0 0	8 628 0 0	. ..	.
Contingent Charges.				
Feed and keep of 11 horses, at Rs 20, including shoeing, veterinary attendance and repairing harness, &c	3,200 0 0	3,200 0 0	... .	.....
Lighting Engineer's and Driver's quarters and Fire Brigade stables	360 0 0	360 0 0	.	...
Accoutrements for the European members of the Fire Brigade supplied every year ...	520 0 0	354 6 0	... ..	165 10 0
Petty contingencies, including coal, oil, wood, &c. ...	2,000 0 0	2,000 0 0	..	......
Extra pay of European constables at Rs. 5 for each attendance at fire ...	1,000 0 0	850 0 0	.	150 0 0
Rent ...	564 0 0	674 8 0	110 8 0	. ..
Pension ...	602 0 0	833 4 11	231 4 11	.
Gratuities to persons giving notice of fires ...	100 0 0		..	100 0 0
Canvas hose ...	3 000 0 0	2,767 12 0	..	232 4 0
Purchase of two horses ...	1,200 0 0	1,200 0 0	.	.. ..
Harness for two horses ...	500 0 0	303 10 0	.	196 6 0
Repairs of buildings ...	1,000 0 0	988 7 2	.. ...	11 8 10
Implements ...	500 0 0	78 2 0	.	421 14 0
Repairs of engines and break-vans ...	1,500 0 0	1,372 5 3		127 10 9
Maintenance of telegraph and telephone lines ...	2,807 0 0	3,004 8 0	197 8 0	
Total ..	18,853 0 0	17,986 15 4	539 4 11	1,405 5 7
Howrah Establishment.				
Superintendent, at Rs 20 ...	240 0 0	240 0 0	... ..	... .
Engineer, at Rs. 120 ...	1,440 0 0	1,440 0 0	. ...	......
Tindal, at Rs. 10 ...	120 0 0	120 0 0	.	... ..
Fireman, at Rs. 10 ...	120 0 0	120 0 0		.. ...
Tindals, at Rs. 8 ...	288 0 0	288 0 0	.	. ..
Khallasees, at Rs. 7 ...	1,008 0 0	1,008 0 0	. ...	. .
Ditto, at Rs. 6 ...	432 0 0	426 14 0	......	5 2 0
Engine-driver, at Rs. 10 ...	120 0 0	120 0 0	.	
Syces, at Rs. 7 ...	252 0 0	252 0 0		.
Total ...	4,020 0 0	4,014 14 0	.	5 2 0
Howrah Contingencies.				
Feed and keep of horses, including shoeing, veterinary attendance, repairs of harness, &c. ...	750 0 0	722 11 6	.....	27 4 6
Rewards to informers giving notice of fire ...	50 0 0		..	50 0 0
Repairs of engines and break-vans ...	500 0 0	158 0 0	. ..	342 0 0
Steam-engine hose and gear ...	200 0 0	175 8 0	..	24 8 0
Purchase of horses ...	600 0 0	600 0 0	..	
Repairs of buildings and look-outs ...	300 0 0	65 0 0	. ..	235 0 0
Contingencies, oil, soap, cotton waste, &c. ...	300 0 0	497 8 9	197 8 9	..
Total ...	2,700 0 0	2,318 13 3	197 8 9	678 12 6
Bhowanipore.				
Tindals, at Rs 10 ...	240 0 0	240 0 0	......	......
Khallasees, at Rs. 7 ...	1,008 0 0	1,008 0 0	.	...
Total ...	1,248 0 0	1,248 0 0	..	.
Watgunge.				
Tindals, at Rs. 10 ...	240 0 0	240 0 0	.	..
Khallasees, at Rs. 7 ...	1,008 0 0	1,008 0 0	.	..
Total ...	1,248 0 0	1,248 0 0	..	.
Palmer's Bridge.				
Tindals, at Rs. 10 ...	240 0 0	240 0 0	......	......
Khallasees, at Rs. 7 ...	1,008 0 0	1,008 0 0	.. ..	..
Total ...	1,248 0 0	1,248 0 0	.. ..	......
Carried over ..	... ..	......	.. ..	......

PAYMENTS.	Budget estimate for 1887-88.	Actual expenditure for 1887-88.	Excess over budget estimate.	Less than budget estimate.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Brought over	... ..	.... .	..	.. ..
Chitpore.				
Engineer, at Rs. 120	1,440 0 0	388 0 0	......	1,052 0 0
Tindal and fireman, at Rs. 10	240 0 0	.. .	.. .	240 0 0
Driver, at Rs 10	120 0 0	... .	... .	120 0 0
Khallasees, at Rs. 7	1,008 0 0	.	.. ..	1,008 0 0
Syces	252 0 0	105 0 0	.. ..	147 0 0
Total	3,060 0 0	493 0 0		2,567 0 0
Chitpore Contingencies.				
Feed and keep of horses	780 0 0	644 15 9	. ..	135 0 3
Repairs of engines and hose cart	200 0 0	..		200 0 0
Steam-engine hose and gear	3,500 0 0	4,057 10 0	557 10 0	.. . .
Purchase of horses	1,800 0 0	2,140 13 0	340 13 0	..
Petty contingencies, including coal, oil, &c	500 0 0	458 14 4	.. .	41 1 8
Hose cart	615 0 0		...	615 0 0
Total	7,395 0 0	7,302 5 1	898 7 0	991 1 11
Engine-house.				
Cost of buildings	8,000 0 0	8,338 4 0	338 4 0	.
Ditto land	2,500 0 0	2,500 0 0	.	
Total	10,500 0 0	10,838 4 0	338 4 0	
Petroleum establishment	.. .	360 0 0	360 0 0	.
Ditto contingencies	.. .	21 6 2	21 6 2	.
Total	. .	381 6 2	381 6 2	
	58,870 0 0	55,607 8 10	2,354 14 10	5,617 6 0
Balance on 31st March 1888	40 0 0	13,374 7 1	. ..	..
Total Rupees	58,910 0 0	67,981 15 11	2,354 14 10	5,617 6 0

CALCUTTA,
The 17th July 1888.

H. L. HARRISON,
Commissioner of Police.

Memorandum of Fires in the Town and Suburbs of Calcutta and in Howrah from 1st April 1887 to 31st March 1888.

No.	Date.	Locality with section letter.	Duration of fire.	Approximate value of property destroyed.	Remarks, showing nature of damage done, &c.
		Town.		Rs.	
1	25th April 1887 ...	Grant Street, Section M, Town	16 hours and 30 minutes ...	6,000	Two ranges of tiled houses on each side of Grant Street, containing straw and hay.
2	3rd May ,, ...	Circular Road, Section N, Town.	4 hours	5,000	Twenty-one tiled shops.
3	9th ,, ,, ..	Hatkhola, Section B, Town	3 hours and 45 minutes ...	2,500	Four tiled houses, containing old marine stores.
4	13th ,, ,,	River, 3rd Division, Port Police	2 hours and 45 minutes ...	100 (nominal).	A quantity of rubbish and straw on board the S. S. *City of Agra*
5	26th ,, ,, ...	Tiretta Bazar, Section H, Town.	2 hours and 15 minutes .	1,000	Four tiled houses.
6	26th October ,,	River, 1st Division, Port Police	2 hours ..	500	A country boat laden with jute.
7	7th November ,, ...	River, 3rd Division, Port Police	13 hours and 30 minutes ...	23,000	The mainhold of ship *Hutton Hall*, laden with jute.
8	23rd February 1888 .	Radha Bazar, Section G, Town	30 minutes	300	An upper room in house No. 12, Radha Bazar Street.
9	2nd March ,, .	Chitpore Road, Section F, Town.	1 hour and 45 minutes ...	2,000	Ten tiled shops, containing furniture, &c.
10	19th ,, ,, ...	Coomertollee, Section B, Town	8 hours and 15 minutes .	200	A quantity of straw in two brick godowns.
11	20th ,, ,, ..	Colootollah, Section H, Town	1 hour and 30 minutes ...	1,300	A line of stables.
11	Total fires.			41,900	
		Suburbs.			
1	27th April 1887 .	Moocheekhola, Section O, Suburbs.	7 hours and 30 minutes ...	500	Two stacks of straw.
2	2nd October ,, ..	Watgunge Canal, Section M, Suburbs.	3 hours and 30 minutes ...	400	A boat laden with straw.
3	22nd December ,, ...	Baniapooker, Section G, Suburbs.	Petty fire, extinguished by the local police and the neighbours.	100	Three goalputta huts and one cow.
4	7th January 1888	Entally, Section F, Suburbs	1 hour and 30 minutes ..	150	Four tiled huts.
5	29th ,, ,, .	Watgunge, Section M, Suburbs	5 hours and 15 minutes	1,600	Three stacks of straw and three huts.
6	7th February ,, .	Beniapooker, Section G, Suburbs.	2 hours	400	Six tiled houses.
7	13th ,, ,, ..	Watgunge, Section M, Suburbs	15 hours	1,300	Six stacks of straw.
8	13th ,, ,, .	Pau Bagan, Section F, Suburbs.	2 hours and 15 minutes ...	1,000	Sixteen thatched houses.
9	14th ,, ,, ..	Watgunge, Section M, Suburbs	9 hours	1,300	Two tiled huts and twelve stacks of straw.
10	6th March ,,	Belliaghatta, Section E, Suburbs	2 hours and 20 minutes ...	500	Twenty two huts.
11	6th ,, ,,	Nonapooker, Section G, Suburbs.	3 hours and 15 minutes .	1,500	Thirty tiled huts.
12	28th ,, ,, ..	Chitpore, Section A, Suburbs	3 hours and 15 minutes ..	2,000	A line of brick godowns, containing waste jute, paper, and cuttings.
12	Total fires.			10,750	
		Howrah.			
1	7th April 1887 ..	Sibpore	1 hour	100	Two thatched houses, containing nine rooms.
2	9th ,, ,,	Do.	1 hour and 15 minutes ..	50	Some thatched huts
3	22nd ,, ,,	Tindal Bagan, Howrah	3 hours and 15 minutes .	20	Part of the roof of a cowshed.
4	27th ,, ,, ..	Teekiaparrah	1 hour and 30 minutes ..	300	Eleven tiled houses.
5	29th ,, ,, ...	Peelcannah, Goosery	15 minutes	40	One tiled and one thatched hut.
6	10th June ,, .	Joynarain Santra's Lane ..	30 minutes	20	One thatched hut.
7	6th October ,, .	Bantra	2 hours and 15 minutes ...	100	Two thatched huts.
8	12th ,, ,, .	Dobsons Road	30 minutes	25	One tiled hut and a box containing fireworks.
9	26th ,, ,, ...	Bally	2 hours	75	A stack of straw.
10	21st November ,, .	Sibpore	3 hours	125	A stack of straw.
11	8th January 1888 ..	Golabaree	1 hour and 45 minutes	150	One cowshed and four cows.
11	Total fires.			1,005	
34	Total number of fires at which the Brigade were in attendance.		GRAND TOTAL ...	53,655	

CALCUTTA,

The 15*th August* 1888.

H. L. HARRISON,

Commissioner of Police.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 1st September 1888.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*			
BURDWAN DIVN.	1	Burdwan	Sept. 1, '88	4·67	Weather—cloudy and wet. Prospects of crops favourable, except where damaged by floods which have been severe from the Ajay in Cutwa. Common rice 19 seers per rupee on an average.
		Culna	...	9 20	
		Cutwa	..	1 14	
		Raniganoge	...	3·13	
	2	Bankoora	„ 1, '88	4 52	Weather—seasonable. Rainfall general and copious in the district. *Tetko dhan* is being cut. *Aus* is flowering. Prospects of crops good. Common rice selling at Sudder at 18 seers per rupee.
	3	Birbhum	„ 1. '88	4·58	Weather—cloudy and frequent rain. The heavy rain is bringing on the rice crop; transplantation is finished and has been carried out very completely. Some damage has been done to transplanted rice near the rivers by floods. The harvest of Indian-corn in the Sonthal tract has been good. Sugarcane has been much damaged by excessive rain.
		Rampur Haut	.	2·47	
	4	Midnapur	„ 1, '88	4·38	Weather—cloudy with rain on seve al days. The floods last week, it is feared, have caused a good deal of damage in the Ghatal sub-division, and to a smaller extent in Contai and Head-quarters.
	5	Hugli	„ 1, '88	4·79	Weather—abnormally wet. Rice crops on high lands spendid; those on low lands damaged by excess of rain water. Damudar floods in Jehanabad have caused some loss of crops. Jute is being cut. Prospects are on the whole good.
		Serampur	.	11 13	
		Jehanabad		9 41	
		Howrah	„ 3, '88	10·25	Weather—seasonable. Heavy rain has caused floods; crops said to have been seriously injured.
		Central Districts			
PRESIDENCY DIVN.	6	24-Perghs.	Sept. 4 '88	6 74	Heavy showers with occasional breaks. The *amun* crops on low lands have been damaged to a considerable extent by the heavy rainfall. Prospects are very unfavourable in the Diamond Harbour sub-division, where the lands have been for days under water. Transplantation has also been retarded owing to the late heavy rain.
	7	Nuddea	„ 1, '88	2·74	Weather—rainy. *Aus* harvest going on; much *aus* has been lost on the *chur* lands by inundation. Jute and *amun* have also suffered from excessive flooding. Water very high.
		Kushtea	...	2 65	
		Meherpur	...	5 91	
		Chooadanga	...	7 30	
		Ranaghat	..	8 47	
	8	Khoolna	„ 1, '88	3 90	Weather—showery. *Aus* is being harvested with fair outturn. *Amun* is being transplanted; prospects good.
	9	Jessore	„ 1, '88	3 66	Weather—seasonable. Rivers rising. Harvesting of *aus* going on. *Amun* in some places damaged to some extent by inundation and storm.
		Jhenidah	.	1 10	
		Magoora		3·23	
		Narail	..	1 94	
		Bongong		4·00	
	10	Moorshedabad	„ 1, '88	4 21	Weather—alternate sun and rain. *Amun* transplantation going on. Prospects favourable. *Bhadoi* is being harvested. In the Jangipur sub-division *bhadoi* on dearah lands submerged almost wholly. Bhagiruthee rose to 30′ 2″ on the 29th August, the highest rise ever on record. It is still brimful, but is gradually subsiding. Height at the gauge to-day (1st September) 29′ 10½″.
		Lalbagh	...	5 08	
		Jangipur		5·97	
RAJSHAHYE DIVN.	11	Dinagepur	„ 1, '88	4 80	Weather—more settled towards end of week. Heavy rain has enabled the cultivators to transplant a good deal more of the crop, but the work is still backward.
		Thakurgaon	..	3·18	
	12	Rajshahye	„ 1, '88	2 77	Weather—rainy. Prospects of crops good, but more rain wanted in the Nowgong sub-division. Harvesting of *aus* and jute not yet completed.
		Nattore	.	3·90	
		Nowgong		2·33	
	13	Rungpur	„ 1, '88	4 78	Weather—some rain; cloudy. *Amun* crop prospects much improved by late rain. More rain wanted.
		Nilphamari	.	4 56	
		Kurigram	...	3 34	
		Gaibandha	...	4 09	
	14	Bogra	„ 1, '88	5 93	Weather—seasonable. All crops doing well. Price of rice stationary.
		Sherpur		6 54	
		Saukhia		6 05	
	15	Pubna	„ 1, '88	2·12	Weather—cloudy and showery. Prospects of crops continue good. The unusual floods may do slight injury to *amun* in some places. *Aus* and jute are being reaped.
		Serajgunge	..	4·78	
	16	Darjeeling	„ 1, '88	7 48	Weather—fair. Prospects generally favourable. Harvesting of Indian-corn nearly finished. Paddy progressing well. Potatoes only moderate.
	17	Julpigoree	„ 1, '88	6 22	Weather—beginning of the week hot; latterly cold and showery. Prospects of standing crops good. Harvesting of *aus* paddy in progress. Transplantation of *haimanti* in full swing. Jute is being cut and steeped. Prospects have improved in the Alipore sub-division, but more rain wanted.
		Eastern Districts.			
DACCA DIVN.	18	Dacca	Sept. 1, '88	1·63	Weather—mostly cloudy and hot. *Aus* paddy and jute are being harvested; the former has suffered to some extent from rain and sudden rise of water. Prospects of crops generally good.
		Manickgunge	...	4 46	
		Munshigunge	...	3 77	
		Naraingunge	. .	3 48	
	19	Furreedpur	„ 1, '88	1 01	Weather—seasonable. Prospects of crops very satisfactory.
		Goalundo	..	4 67	
		Madaripur	.	2 77	
	20	Backergunge	Aug 31, '88	7 49	Weather—seasonable. Outturn of *aus* poor. *Amun* crop damaged by flood. Prospects fair.
	21	Mymensingh	„ 31, '88	3 27	Weather—rainy and cloudy. Prospects of crops good.
		Jamalpur	...	3·64	
		Kishoregunge	...	3 34	
		Attia	...	3·25	
		Netrokona	...	3·06	

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		***Eastern Districts*—concld.**		
CHITTAGONG DIVN.	22	Chittagong Sept. 4, '88	6 90	Weather—seasonable Harvesting of *aus* not yet over. Transplanting of *amun* continues. Caterpillars making some damage. Prices risen. Cow-pox reported
	23	Noakholly August 31, '88	13 22	Weather—seasonable. Showers almost every day. Harvesting of *aus* continues. Recent heavy rain has done some damage to *amun*. Coarse rice 20 seers per rupee.
		Fenny ...	13 07	
	24	Tipperah „ 31, '88	9 00	Weather—seasonable; alternate rain and sunshine. The crops promise well, ample rain having fallen. A break is necessary now.
		Brahmanbariah	4 99	
		Chandpur ...	5 19	
	25	Chittagong Hill Tracts. „ 29, '88	9 10	Weather—rainy throughout the week. Harvesting of early *jum* paddy continues. Transplanting in low lands by plough cultivators nearly finished. Prospects not at all good.
BEHAR.		Hill Tipperah „ 29, '88	5·87	Weather—rainy. Transplantation of *amun* paddy still going on. Prospects of *jum* crops fair.
PATNA DIVN.	26	Patna Sept. 1, '88	8 81	Weather—cloudy and rainy. Transplantation of paddy progressing. Prospects of *bhadoi* good. Heavy floods have damaged a considerable portion of the *bhadoi*, especially in Behar and Barh. Rice has also suffered from breaching of embankments.
		Dinapur ...	7·76	
		Behar ...	9 69	
		Barh .	9 90	
	27	Gya „ 1, '88	9 93	Weather—cloudy and rainy. Paddy transplantation still going on. *Bhadoi* considerably injured in parts by excessive rain and floods
	28	Shahabad „ 1, '88	10 60	Weather—hot and cloudy. Rainfall good Transplantation of paddy nearly completed. Prospects of *bhadoi* continue fair except on low and dearah lands. Sugarcane promises well. Prices steady.
		Buxar ...	11 79	
		Sasseram ..	7·44	
		Bhabuah ..	3 63	
	29	Durbhunga „ 1, '88	4 38	Weather—cloudy. The rainfall of the week has done immense good to the rice crop. The prospects of *bhadoi* are very favourable. *Makai* has begun to be harvested in places. Price of common rice averages 16½ seers per rupee.
	30	Mozufferpur „ 1, '88	5 27	Weather—seasonable. Prospects of crops on the ground favourable, but there has been less rain in the north of the district than elsewhere, and unless there is good rain there this month, the rice crop will not be a good one. Maize and millet are being cut in places
		Hajipur	6 82	
		Sitamarhi .	1 29	
	31	Sarun „ 1, '88	7·00	Weather—favourable. Transplantation of paddy is in full swing. Prospect of *bhadoi* continues good except on dearah lands, where they have suffered from inundation.
		Sewan ...	8·07	
		Gopalgunge	7 72	
	32	Chumparun „ 1 '88	3·38	Weather—cloudy, with occasional showers. *Makai* and *murwa* generally in ear with good prospects. Rain in some parts very much heavier than at head-quarters More rain still required in parts. Rain that has fallen has greatly benefited the *aghani* crop, the prospects of which are fair
		Bettiah	2 99	
BHAGULPORE DIVN.	33	Monghyr „ 1, '88	6 47	Weather—generally cloudy and rainy Heavy rain during the week. Transplantation of winter rice retarded in the Jamui sub-division owing to heavy rain. *Bhadoi* crops damaged everywhere. Ganges flood subsiding.
		Beguserai ...	9·34	
		Jamui	12 40	
	34	Bhagulpur „ 1, '88	5 34	Weather—seasonable. Prospects good. Standing crops slightly damaged by floods in the Sudder and Banka sub-divisions. Good rain has fallen in Soopole.
		Banka . .	4 93	
		Mudehpura ..	8 42	
		Soopole	4 96	
	35	Purneah „ 1, '88	7·41	Weather—fine with showers. *Bhadoi* and jute nearly cut. *Aghani* transplantation going on rapidly.
		Kishengunge ...	1·67	
		Arrareah ..	2 93	
	36	Maldah „ 1, '88	7 98	Good rainfall during the week. Crops on dearah lands injured by inundation. Prospects of *haimanti* rice good; transplanting almost finished.
		Canchal ...	3 36	
		Shibgunge ...	5 13	
		Gajol	4·48	
	37	Sonthal Perghs „ 1, '88	4 44	Weather—stormy and wet. *Janera* and *bhadoi* crops damaged by excessive rain in centre and east. Prospects of winter rice very good.
		Deoghur ...	8 85	
		Godda ..	6 16	
		Jamtara ..	4 83	
		Pakoor . .	6 90	
		Rajmehal ...	14 50	
ORISSA.				
ORISSA DIVN.	38	Cuttack „ 31, '88	6 94	Weather—seasonable. *Biali* ripening. *Sarad* rice doing well. Common rice 17 seers per rupee in town. There was heavy flood last week in Jajpur and Kendrapara, and lands were under water, but the flood subsided soon.
	39	Pooree „ 30, '88	2 16	Weather—cloudy and rainy Late rain has done much good to rice crop. *Laghu* and *sarad* rice being puddled *Biali* harvest begun, *Mandia* nearly ripe. Common rice 18 seers 11 chittacks per rupee in the Sudder sub-division, and 15 seers 15 chittacks per rupee in the Khoordah sub-division.
		Khoordah .	7·16	
	40	Balasore August 31, '88	3·44	Weather—normal. Floods have done some damage, especially to *aus*, which is now in ear, and to sugarcane Extent of damage not yet ascertained. Where there have been no floods the crops are doing well.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
CHOTA NAGPORE DIVN.	41	Hazaribagh August 31, '88	7 46	Incessant and heavy rain up to 28th, a break since the 29th *Bhadoi* crops damaged to some extent by excessive rain. Transplanting of rice almost completed; prospects very good. Prices continue high all over the district.
	42	Lohardugga Sept. 1, '88	2·88	Weather—rainy. Rain throughout the week. Transplantation of rice is nearly over. *Bhadoi* crop is reported to be a failure in Palamow. Prospects of paddy good. Prices fairly steady, but price of rice risen slightly.
		Pal mow ...	4 06	
	43	Singbhoom Aug 31, '88	4·28	Weather—very wet. Excellent reports on the state of the crops from all parts of the district.
	44	Manbhoom Sept. 1, '88	3·77	Weather—cold and damp. Continued rain is damaging the autumn crops A break is much required. Prospects of rice good.
		Govindpur ...	3 88	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 4th September, 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Beng

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·687	29·699	—	Calm	243	88·7*	27th Aug.	?	?	85·4*	?	?	?	81·
		Gopalpore .	29·667	29·717	—·002	SSW	243	87 2	30th, 31st Aug.	73·8	27th Aug	84 4	79·1	81·8	—1·6	83·
		False Point ..	29 683	29·705	—·021	SW	309	89·5	20th 31st Aug.	75·6	26th ,,	86 2	77 1	81·7	—1·5	84·
	Cuttack	Cuttack .	29 625	29 706	—·008	WSW	89	93·4	31st ,,	75·8	20th ,,	89·7	77 8	83 7	—0 4	86·
	Balasore .. .	Balasore .	29 624	29 683	—·010	SSW	202·6	91 4	30th ,,	75·7	25th ,,	87 7	78 4	83 0	+0 9	84·
South-West Bengal.	South-West Midnapore; South 24-Pergunnahs	Saugor Island	29 657	29·683	— 051	SSW	489	88 2	28th ,,	77·5	31st ,,	85 6	79 6	82 6	—0·8	83·
	Midnapore	Midnapore	29 537	29 688	—·027	S	102·6	91·3	29th ,,	74 3	25th ,,	87 5	77 3	82 4	—0 6	84·
	24-Pergunnahs; Howrah; Hooghly	Calcutta	29 619	29 67	—·063	WSW	192	89·0	29th, 30th Aug	75 2	25th, 31st Aug.	85 9	77 6	81·8	—1·1	83·1
	Burdwan	Burdwan	29 516	29 610	— 086	S	81·4	92 1	30th, 31st Aug.	76 4	25th & 31st Aug.	88 9	78 3	83 6	—0·6	82 8
	Bankoora	Bankoora	29 346	—	—	WSW	114	90 6	29th, 30th Aug	74·6	25th ,,	87 1	77 0	82 1	—	83·4
	Beerbhoom ...; West Burdwan ...	Raneegunge	29 310	29·717	—·054	SW	123 6	91·5	30th ,,	74 9	25th, 26th Aug	86 9	76·6	81 7	—1·5	83·1
	Moorshedabad	Berhampore	29 583	29 670	—·080	SW	139·3	90 1	30th ,,	75·3	25th, 26th Aug.	86 8	77 2	82 0	—2 3	82 8
	Nuddea	Krishnaghur	29·619	29·685	—·121	S	180 6	89 8	28th, 30th Aug.	75·3	29th ,,	87 3	77 5	82 4	—0 8	83·2
	Jessore ...; Khoolna ...	Jessore ..	29·653	29 686	—·054	S	94·7	90 7	30th ,,	74 9	25th ,,	87 2	78 4	82·8	—1·2	83 9
East Bengal.	Chittagong	Chittagong	29 667	29 757	—·030	SE	121	85·1	29th ,,	74 0	25th ,,	83·0	75·4	79 2	—2·4	80·6
	Chittagong Hill Tracts	Demagiri .	Observations not received.													
	Backergunge	Barrisal ..	29·697	29 709	— 011	S	132 6	88 3	29th ,,	72 9	25th ,,	85 1	77 0	81 1	—0·1	82 6
	Noakholly	Noakholly ...	29 695	29·739	+·011?	SSE	141 4	85·5	29th ,,	71·8	28th ,,	84 0	76·2	80·1	—1·2	80·7
	Furreedpore	Furreedpore .	29·666	29 706	— 012	SSE	148·3	86 5	28th 30th Aug.	75 4	25th ,,	84 9	78 2	81 5	—1·(	
	Dacca	Dacca ..	?	?	?	S, S S	158	89·1	29th ,,	76 2	26th ,,	85 7	78 6	82 2	—1·4	83·4
	Commillah	Commillah ..	29 687	29 723	—·010	SE	112 8	87 4	28th—30th Aug.	70 8	25th ,,	84 4	75·8	80 1	—1 9	80 3
	Mymensingh	Mymensingh	29 651	29 709	—·025	SE, ESE	126·6	87 8	31st ,,	75·1	25th, 31st Aug	84·8	77 0	80·9	—1·8	81·0
North Bengal.	Bogra	Bogra	29 596	29·658	—	E	113 2	89 8	29th ,,	74·3	25th ,,	86 1	77 4	81 7	—	83 4
	Pubna ...	Serajgunge	29·634	29·691	—·016	SSE	112·2	89·6	30th ,,	74·7	25th ,,	85 9	77·3	81 7	—1 0	83·4
	Rajshahye	Rampore Beauleah.	29 591	29 661	—·043	SE	151·5	88 8	30th ,,	76·6	25th, 26th, 31st Aug.	85 7	78 1	81·9	—0 9	83 3
	Maldah .. .	Maldah ..	29·563	—	—	E, NW	132 7	90 7	30th ,,	75 3	25th ,,	89 9	77·5	83·7	—	83 0
	Dinagepore	Dinagepore	29 547	29 667	— 042	SE, E	207	91·1	28th ,,	74 6	25th ,,	87 7	77 0	82 4	—0 9	83 8
	Rungpore	Rungpore .	29 577	29 703	—·024	E	152	90·8	28th, 31st Aug.	69·7	26th ,,	83 1	76 0	82 1	—0·9	82·3
	Julpigoree ...; Cooch Behar	Julpigoree ...	29·400	29 687	— 030	South-easterly.	144 0	91·0	28th ,,	74 8	25th, 26th, 29th Aug.	88·1	76 0	82	0	83·3
	Darjeeling Hill Tracts ...	Darjeeling ..	22 926	—	—·036	NE	154·4	68 6*	29th, 31st Aug.	54·1	25th & 26th Aug.	66 5*	55 8*	61·2*	+0 3*	61·2
North Behar.	Purneah ... ..; North Bhagulpore ...	Purneah .	29 528	29·654	—·166	NE	84·7	90 3	31st ,,	71 6	25th ,,	87·1	74 8	81 0	—3·2	83·3
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga ..	29 485	29·653	—·051	ESE	185	89·9	29th ,,	74·9	26th ,,	87·0	77 8	82 4	—1 5	82·4
	Chumparun	Motihari ...	29·408	29·635	—·048	Variable	189 4	92·7	31st ,,	75·4	20th—28th Aug.	88·5	76 0	82 4	—0·6	85·2
	Sarun	Chupra ..	29·447	29·642	— 057	Southerly	154·1*	86·5	29th ,,	74 6	27th ,,	82 7	76 4	79 6	—4·5	82 2
South Behar.	Shahabad	Dehree ..	29·292	29 647	—·042	SSW	239·9	87·8	30th ,,	74·0	27th ,,	85·7	76·4	81·0	—1·6	82·0
		Buxar ..	29·412	29·644	—·038	Westerly	184·5	88 4	25th ,,	73 8	27th ,,	84·5	76·0	80·3	—3 3	81·1
		Arrah ..	29·445	29 643	—·032	Southerly	99·7	83 4	30th, 31st Aug.	74 1	27th, 28th Aug.	85 4	76 2	80 8	—3·4	80 9
	Gya	Gya ...	29 249	29 627	—·071	Westerly	134·4*	90·9	31st ,,	73·3	27th ,,	86 5	76 2	81·4	—3·0	82·6
	Patna	Bankipore ...	29·456	29 642	—·076	Southerly	113·5	90·0	30th ,,	75·2	27th, 28th Aug.	85·1	76·6	80·8	—3·8	80·3
	South Bhagulpore ...; Monghyr ...	Bhagulpore ...	29·467	29·630	—·063	S	157·1	91·0	30th ,,	75·0	25th—28th, 31st Aug.	87·2	76 2	81·7	—1·9	82·1
	Sonthal Pergunnahs ...	Dooroka ...	29·255	—	—	SSW, Calm.	154·6	90·1	20th, 30th Aug.	74·2	25th ,,	85·5	75·8	80·7	—	80·7
Chota Nagpore.	Hazaribagh	Hazaribagh ..	27 657	29·662	— 057	WSW	279 7	84·9	,,	69·7	27th ,,	79·4	71·1	75 3	—3 2	76·2
	Lohardugga ...; Manbhoom ...	Ranchee ...	27·547	29 662	—·029	WNW	202·9	84 0	29th ,,	70·4	25th, 26th, 31st Aug.	81·5	71·9	76 7	—0 6	77 5
	Singhbhoom	Chyebassa ...	28·897	—	—·020	SW	44·8	91·1	29th ,,	74·7	25th ,,	87·9	76·5	82·3	—0·1	83 6
Assam.	......	Sibsagar ...	29·432	29·708	—·017	SW	65	92 6	30th ,,	70·0	30th ,,	88 5	77·3	82·9	—0·6	81·5
	......	Dhubri ...	29·591	29·708	—·040	Calm	189·7	88·7	28th ,,	75·8	29th ,,	85·5	76·9	81·2	— 1 9	81·2
	......	Silchar ...	29·641	29·747	—·055	Calm	47	91·4	26th ,,	75·3	25th ,,	88·0	76 3	82·4	—0·5	82·3

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years.

The *humidity* of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 21 stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Means for six days.

for the week ending Friday, the 31st of August 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
90	5·6	0 14		2·36		11·76			34·08			4·0	Pooree	Pooree ... ... (Pooree, Gopalpore, False Point)	Orissa.
82	3·3	2·22	—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
78	8·00	0·38	—	—	—	—	—	—	—	—	—	—	False Point ...		
74	7·4	1·18		1·74		10·62			34·87			3·6	Cuttack ...	Cuttack	
85	7·7	0·64		1 72		11 27			35 22			3·4	Balasore ...	Balasore	
89	8·4	1·19	3·33	2·62	28 84	14·31	+14·53	42·04	41·83	+1·11	3·0	4·2	Saugor Island ...	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
84	3 7	6·55	3 40	2·62	24·66	13 93	+10·73	49 36	38·18	+11·18	4·3	4·1	Midnapore ...	Midnapore	
83	8·6	7·94	4·89	2·00	24 45	12·93	+11·52	50·66	37 86	+12 80	4·3	4·2	Calcutta ...	24-Pergunnahs ..; Howrah ... ...; Hooghly	
81	9·1	5·12	7 83	2 14	20·67	12 10	+8·57	45·87	34·18	+11·69	4 0	4·0	Burdwan ...	Burdwan	
82	7·0	5·40	4·21	2·70	19·47	14·27	+5·20	44 44	39 27	+5·27	5·0	4 1	Bankoora ...	Bankoora, ...	
82	7 7	3 30	4·01	2·43	22 45	13·10	+9·35	47·06	37·54	+9·52	5·5	4·0	Raneegunge ...	Beerbhoom ... ...; West Burdwan ...	
89	9·0	8·88	4·86	2 63	14 79	11·88	+2 91	36 44	35·07	+1·37	5 0	4·0	Berhampore ...	Moorshedabad	
83	7·9	6 70	4·54	2 22	19 56	42 03	+7·53	43 75	35·49	+8·26	3·6	4·2	Krishnaghur ...	Nuddea	
80	9·0	4·42	2·85	1 90	12·72	11·96	+0·76	36·00	38·73	—2·73	3·8	3·8	Jessore ...	Jessore ... ...; Khoolna	
88	8·1	0·82		3·32		23 45			89·41			4·6	Chittagong ...	Chittagong	East Bengal.
				2 82		16 29			58 12			5·2	Demagiri ...	Chittagong Hill Tracts	
88	8·9	2 78	2·85	2 88	25 72	15 61	+10·11	56 83	56·87	—0·04	4·5	5·0	Barrisal ...	Backergunge	
89	9·4	10·66	9·51	3·76	31·71	24·67	+7·04	80·78	80·01	—0·77	7·0	5 3	Noakholly ...	Noakholly	
89	6·6	3·70	3·08	2 13	13·48	12 06	+1·42	39·30	40·84	—1·54	3·0	4·1	Furreedpore ...	Furreedpore	
85	8·7	3·02	2·56	2·17	13·70	12 93	+0·77	46 09	43 56	+2 53	3·3	4·4	Dacca ...	Dacca	
86	6·4	10·24	4·18	2 81	18 24	16 12	+2 12	49·03	50 92	—1·89	5·0	4 8	Commillah ...	Commillah	
91	8·7	4 26		3·29		13·73			48 00			4·7	Mymensingh ..	Mymensingh	
85	8 4	5 67	5 25	3·07	11 38	11 63	—0 25	36·18	41 58	—5·40	5 3	4 2	Bogra ...	Bogra	North Bengal.
89	8·1	3 88	3 18	2 75	10·78	12 01	—1 63	35 48	37 53	—2·05	3 5	4 2	Serajgunge ..	Pubna	
87	3·6	3 09	2·61	2 78	11·72	12 10	—0 38	31·50	37 16	—5·66	3 5	4 2	Rampore Beauleah	Rajshahye	
86	5·7	7·98	5 95	3·17	15·87	12 02	+3·85	31·69	38 70	—7·01	5 5	4 3	Maldah ..	Maldah	
87	7 ·1	4 64	4 01	2 76	11 52	11 50	+0 02	38 33	41 75	—3·42	5·4	4·2	Dinagepore ...	Dinagepore	
86	5 9	4·63	3·87	3 17	10·16	12 07	—1·91	46 26	54·76	—8 50	3·5	4·4	Rungpore ...	Rungpore	
86	4·0	4 77	4·25	6 05	15 99	22·92	—6 93	75 74	82 96	—7·22	4·2	5·2	Julpigoree ...	Julpigoree ... .; Cooch Behar	
96	8·4	7·53	5·78	5 50	20·26	27·96	—7·70	81 24	95·00	—13·76	0·5	5·6	Darjeeling ...	Darjeeling Hill Tracts	
87	6·4	6·43	5·18	3 23	10 82	13 68	—2 86	40·47	42 00	—1·53	5·4	4·0	Purneah ...	Purneah ... .; North Bhagulpore .	North Behar.
			4 93	2 13					30 28		5·0	3·6	Mozufferpore ...	Mozufferpore	
84	6·7	4 38	5·33	2 85	9·55	10·08	—0·90	33·21	31 74	+1·47	5·0	3 7	Durbhunga ...	Durbhunga	
73	8·6	2 98	3·19	2 35	8·23	10·75	—3 72	33·14	33 05	+0·09	4·5	3·5	Motihari ..	Chumparun	
86	7·0	8·48	7·36	2·52		11·94			30·13		5·3	3·4	Chupra ...	Sarun	
85	5·4	4·42				10·24							Dehree ...	Shahabad ... ... (Dehree, Buxar, Arrah)	South Behar.
83	8·3	9·85	7·99	2 00	16·49	11·09	+5·40	33·17	28·31	+4·86	4·6	3·5	Buxar ...		
87	8·6	10·39											Arrah ..		
77	7 4	10·05	10·86	2·16	24·70	11·73	+12 97	42 28	30·85	+11·43	5·0	3·2	Gya ..	Gya	
91	7·1	8·81	9·04	2 16	18·60	10·48	+8·12	40·85	30·10	+10·75	5·7	3·4	Bankipore ...	Patna	
85	5·6	5·95	9·43	2 21	18·74	11·06	+7·68	40·60	31·22	+9·33	5·8	3·3	Bhagulpore ...	South Bhagulpore ...; Monghyr	
88	6·0	6·77	8 62	2 44	22 29	11·92	+10·37	44·31	36 16	+8·15	5 3	4 1	Doomka ...	Sonthal Pergunnahs...	Chota Nagpore.
87	10·0	4·78		2·45		13 25			36·82			4 2	Hazaribagh ...	Hazaribagh .. .	
81	9·0	2·88	1·95	2 21	19·59	12 87	+6·72	41 73	35·52	+6 21	6·0	4 2	Ranchi ...	Lohardugga	
77	7·9	3·28	3 64	2·07	17·88	13·20	+4·68	37·84	35·01	+2 83	6·5	4·1		Manbhoom	
			2 87	2·10	17·25	13·83	+3·42	34·42	38·97	—4·55	3·0	4 7	Chyebassa ...	Singbhoom	
90	8·4	2·20											Sibsagar	.....	Assam.
87	8·3	1·59											Dhubri	......	
86	9·0	8·40											Silchar	.....	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 31st of August 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 25th August.	Sunday, 26th August.	Monday, 27th August.	Tuesday, 28th August.	Wednesday, 29th August.	Thursday, 30th August.	Friday, 31st August.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	...	......	...	......	......	......	Nil	Nil	14·47	9·24	25·17	29·13
		Khurdah ...	0·20	0·34	0·52	0·08							12·43		36·85
		Banpur ...	0·47	...	0·72								11·66		31·03
		False Point ...	0·04	...	0·18	......	0·06	......	......	3	0·28	16·23	13·72	38·96	39·16
		Gop ...											?		?
		Pipli ...											?		?
	Cuttack ..	Jagatsingpore											10·12		29·81
		Banki ...	0·43	1·87	1·21								8·62		33·99
		Cuttack ...	0·04	0·74	0·02		2·01						11·08		38·83
		Kendrapara ...	...	...	0·25	......	0·17	......	0·02	3	0·44	21·79	12·56	37·31	38·70
		Jajpore ...	0·10	0·23	......	......	......	0·45	...	3	0·78	28·34	10·70	40·59	37·26
		Dharmsala ...	0·35	0·75									?		?
		Salipore ...											?		?
	Balasore ...	Chandbali ...											11·06		33·09
		Bhuddruck ...	0·05	...	......	......	...	0·10	......	2	0·15	18·48	10·66	37·42	34·68
		Sorah ...	..	...	...	...	......	......	......	Nil	Nil	17·87	11·03	35·42	33·23
		Balasore ..	0·52	...	...	0·12							12·42	44·71	37·70
		Jellasore ..	0·54	...	...	...	0·17	...	......	2	0·71	19·27	10·82	42·36	36·07
		Baripodah ...	1·17	1·02	0·09	0·11	......	......	...	4	2·39	18·39	11·63		36·02
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	0·59	...	...	...	...	1·52	0·30	3	2·41	22·05	13·69	41·71	40·31
		Saugor Island	0·15	...	...	......	0·03	..	0·85	3	1·08	29·35	15·06	42·92	44·10
		Tumlook ..	2·00	...	...	...	0·30	0·30	0·10	4	2·70	27·40	13·80	51·00	37·42
		Midnapore ...	1·82	...	1·91	...	0·37	0·03	0·25	5	4·38	23·47	12·53	52·81	35·74
		Ghattal ...	1·98	...	...	...	0·11	0·08	0·95	9	3·12	23·11	15·46	44·23	41·30
		Kukrahaty ..	0·68	...	...	...	...	...	0·16	2	0·84	29·16	?	52·05	?
		Heria ...	0.95	...	...	......	...	...	0·49	2	1·44	18·96	?	40·24	?
		Bhagwanpore	0·72	.	......	...	...		1·38	2	2·10	16·58	?	36·84	?
		Garbeta ...	0·48	0·30	0·45	......	...	......	3·50	4	4·73	29·78	?	57·18	?
	24-Pergunnahs	Diamond Harbour ...	5·74	......	...	...	...	0·20	0·60	3	6·54	31·12	14·17	44·19	41·06
		Canning Town	0·51	...	0·64	0·08	0·05	0·10	0·03	6	1·41	25·57	?	45·93	?
		Alipore Jail ..	1·54	...	...	...	0·20	2·94	1·08	4	5·76	27·45	13·51	46·39	39·91
		Barrackpore...	4·50	...	...	...	0·09	.	1·63	3	6·22	21·64	12·07	50·03	37·07
		Dum-Dum ...	2·36	...	...	0·07	...	1·60	0·86	4	4·89	26·26	12·69	52·01	37·40
		Baraset ..	2·57	...	...	0·75	0·42	0·16	0·65	5	4·55	22·83	11·94	52·40	35·36
		Buseerhat ...	1·77	...	..	0·24	1·26	0·06	0·57	5	3·90	16·39	13·08	43·33	40·26
	Howrah ...	Howrah .	1·71	...	0·05	......	0·47	4·03	2·09	5	8·35	28·82	12·21	51·12	37·24
		Mohesreka (*Ooluberiah.*)	1·30	...	0·03	...	......	0·47	0·42	4	2·22	32·21	13·57	51·60	38·71
	Hooghly ...	Serampore ...	2·54	...	...	...	...	0·17	1·71	3	4·42	23·32	12·34	52·70	37·05
		Hooghly ...	3·62	..		...	...	0·01	1·16	3	4·79	23·95	11·91	55·11	35·94
		Jehanabad ..	0·68	0·65	0·10	...	0·21	0·88	1·35	6	3·82	21·69	10·03	51·89	40·68
	Burdwan ...	Culna ...	5·60	...	...	......	..	0·60	1·50	3	7·70	22·61	11·48	51·31	32·62
		Burdwan ...	0·85	0·37	......	.	...	0·15	3·30	4	4·67	18·74	12·80	34·46	35·01
		Cutwa ...	2·36	3·06	...	0·44	...	0·70	4·55	5	11·11	25·64	12·03	51·64	34·58
		Raneegunge ..	0·60	0·16		0·08	1·18	0·21	0·90	6	3·13	30·53	13·60	51·04	37·13
		Mankur ...	1·36	......	0·65	......	...	0·15	1·89	4	4·05	13·33	?	35·78	?
	Bankoora ...	Bankoora ...	0·95	...	0·09	0·25	1·60	0·08	1·55	6	4·52	16·47	14·35	40·96	38·38
		Bishenpore ...	2·39	0·40	...	0·05	0·69	0·05	3·19	6	6·68	25·30	14·71	46·63	38·89
		Maliara ...	0·95	...	0·56	0·63	0·09	...	0·51	5	2·74	16·07	14·32	43·15	40·92
		Khatra ...	1·90	...	...	..	...	0·88	0·10	3	2·88	20·02	13·68	47·38	38·68
		Indas ...	0·78	0·10	...	0·10	...	......	1·90	4	2·88	18·81	?	35·03	?
		Kotalpore ...	3·70	0·29	...	...	0·36	...	0·93	4	5·28	20·96	?	43·36	?
		Anda ...	1·08	...	0·10	0·70	0·05	0·08	2·60	6	4·61	14·51	?	31·39	?
		Gangajalghati	0·97	...	2·32	0·11	...	......	1·15	4	4·55	18·21	?	41·26	?
		Raipore ...	1·12	0·45	0·58	...	0·48	0·25	0·38	6	3·16	25·77	?	49·97	?
		Sonamukhi ..	0·89	0·04	3·31	0·15	......	0·23	0·69	6	5·30	15·15	?	40·16	?
	Beerbhoom ...	Bh. Soory ..	1·96	0·44	...	0·50	0·18	0·06	1·44	6	4·58	21·14	13·65	44·36	38·97
		Hetampore ...	0·64	...	0·31	0·26	0·44	0·92	0·65	6	3·22	22·08	12·44	41·57	39·87
		Rampore Haut	1·20	0·49	......	...	0·39	...	3·04	4	5·12	26·08	12·72	51·28	35·66
		Bolpore ...	3·02	0·28	...	1·30	...	0·86	1·50	5	6·96	22·02	?	51·18	?
		Murarai ...	1·55	0·41	0·34	0·24	0·60	1·03	0·40	7	4·59	19·18	?	?	?
	Nuddea ...	Ranaghat ..	3·08	......	......	......	...	1·07	1·60	3	5·75	19·88	12·56	49·96	35·20
		Kishnaghur ...	...	...	0·21	...	1·29	...	1·24	3	2·74	26·53	11·23	55·86	32·89
		Choosdanga ..	6·25	...	0·05	0·50	..	...	...	3	6·80	21·55	12·11	43·76	35·98
		Mehorpore ...	3·63	...	0·61	0·03	0·13	0·40	0·21	6	5·06	17·90	12·31	40·92	35·09
		Kooshtea ...	0·43	......	1·61	......	...	......	0·30	3	2·34	11·93	11·96	28·21	38·23
	Khoolna ..	Satkhira ..	0·80	...	......	...	0·03	0·02	......	3	0·85	11·72	12·41	31·50	40·35
		Bagirhat ..	...	...	2·00	0·78	......	0·65	0·30	4	3·73	19·60	12·47	44·18	44·66
		Khoolna ...	1·31	0·05	1·73	0·14	0·20	0·03	0·44	7	3·90	13·06	12·17	41·30	39·45
	Jessore ...	Narail ..	1·58	......	...	......	......	0·06	1·17	3	2·81	8·74	10·64	28·88	33·83
		Jessore ...	2·13	......	......	1·72	0·15	0·38	0·41	5	4·79	14·50	12·38	45·71	39·99
		Jhenidah ..	0·53	......	......	0·09	......	0·05	0·14	4	0·81	9·66	12·72	29·69	38·60
		Magoorah ...	2·49	...	......	......	...	0·24	......	2	2·73	11·70	9·88	33·18	35·18
		Bongong ...	2·30	...	......	...	......	......	0·85	2	3·15	12·71	12·98	39·74	37·03
	Moorshedabad	Kandi ...	...	2·58	......	......	......	1·37	2·00	3	5·95	14·58	11·53	44·14	35·59
		Berhampore ...	1·52	1·15	......	0·07	0·16	0·04	1·27	6	4·21	14·93	12·18	38·14	34·97
		Lalbagh ...	1·70	1·18	..	......	...	1·44	0·76	4	5·08	18·49	12·28	35·01	34·96
		Azimgunge ...	1·75	0·70	0·05		0·41	0·20	0·47	6	3·58	12·29	12·70	?	35·85
		Jungipore ...	2·45	2·82	......	0·19	0·39	0·02	0·09	6	5·96	15·35	11·58	33·15	34·36
		Lalgola ...	1·80	1·92	......	......	0·42	0·05	0·22	5	4·41	16·16	11·92	37·32	35·17
		Jaigunge ...	1·96	0·70	...	...	0·23	0·20	0·45	5	3·54	11·26	?	35·37	?
		Akhriganj ...	1·25	1·00	0·28	......	0·05	......	0·51	5	3·09	9·62	?	34·47	?
		Patkabari ...	......	...	0·20	...	0·10	......	1·10	3	1·40	10·23	?	38·93	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	2·15	1·81	2·10	0·58	2·80	0·32	......	6	9·76	43·75	27·13	128·75	107·12
		Chittagong ...	0·91	0·30	0·97	0·63	1·08						19·77		71·81
		Kutubdia ...	0·39	2·00	5·85								?		?
		Satkonya ...	1·64	0·85	2·00	1·03	0·64						?		?
	Chittagong Hill Tracts.	Rangamati ...	1·84	1·57	1·60	0·05	0·47	0·30	0·40	7	6·73	32·56	18·44	60·81	60·91
		Ruma ...											14·13		54·87
	Backergunge	Patuakhally ..	......	0·13	...	1·62	......	......	0·16	3	1·91	32·37	17·05	73·81	65·20
		Ferozepore ...	1·91	0·37	1·68	0·11	......	0·33	0·37	6	4·67	21·84	14·76	52·45	50·75
		Burrisal ...	1·32	0·17	0·27	...	0·11	0·03	0·21	6	2·01	21·25	15·41	60·56	46·74
		Bhola ...	2·34	0·14	......	0·24	......	...	......	3	2·82	27·48	13·23	51·53	61·56

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 31st of August 1888—*contd.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 25th August.	Sunday, 26th August.	Monday, 27th August.	Tuesday, 28th August.	Wednesday, 29th August.	Thursday, 30th August.	Friday, 31st August.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—*concld.*		*Gourneddi* ...	1'40	......	... ..	......	......	......	......	1	1'40	12'10	?	41'43	?
		Bauphal ...	3'14	1'08	......	... ..	......	0'42					?		?
	Noakholly .	Noakholly ..	3'15	1'10	0'64	0'92	0'16	4'20	0'17	7	10'43	32'45	25'35	81'33	80'05
		Fenny .	2'35	2'35	0'65	0'72	0'25	2'15	0'12	7	8'59	30'98	24'01	80'19	79'96
		Harishpore ...	3'28	0'05	.. ...	0'52							?		??
		Ramganj ..	3'20	0'73	0'50		......	1'25					?		??
	Furreedpore	Madaripore ..	0'54	0'29	0'08	......	......	... ..	... ..	3	0'91	11'59	12'35	37'82	41'83
		Furreedpore..	2 08	......	.. ..	... .	......	1'10	0'14	3	3'92	14'48	13'57	41'96	42'01
		Goalundo .	4'20	......	... ..	......	0 10	0'12	......	3	4'42	14'36	11'37	38'13	38'74
	Dacca ...	Munshigunge	2'05	......	0'22	.....	......	0'30	......	3	2'57	12'14	14 88	47'95	50'71
		Dacca .	1'57	... .	0 06	.. ..	......	... ..	......	2	1'63	15'03	12'58	43'41	43'42
		Naraingunge	2'23	0'09	0'04	0'07	......	0'25	......	5	2'68	12'97	12'74	52'05	42 81
		Manickgunge	2'06	0'01	......	... .	... ..	0'11	0'64	4	3'42	14'69	11'53	40'41	36'96
		Joydebpore ..	1'36	0'02	.....	1'93	0'02	0'26	0'25	6	3'84	15'20	?	53'21	?
	Hill Tipperah	Agartola ..	1'20	1'55	0'06	0'95	1'26	0'45	. ..	6	5'47	14'02	12'32	46 15	43'94
	Tipperah ...	Comilla ..	1'75	2'45	0 05	0'80	0'11	1'85	0'25	7	7'26	26'04	17'65	53'25	53 23
		Chandpore ..	1'71	... ..	0 10	... ..	... ..	0'25	... .	3	2'06	13'80	20'83	44'93	57'63
		Brahmunberia	1'82	. ....	0'70	......	......	0'15	0 46	4	3 13		12 67		44'15
		Ramchandrapore.	1'17	......	......	......	......	0 34	0'25	3	1'76	11'83	?	45'42	?
		Nasirnagar ..	1'00	0'11	1'40	......	......	0'30	0'50	5	3'31	12'51	?	41 54	
		Daudkandi .	1'50												?
		Kasba ..	2'60	1'00	. . .	......	......	0'35	0'45	4	4'40	14'65	?		?
		Laksham ..	1'11	2'06	0'10	......	......	0'85	0'20	5	4'32	20'67	?	44'76	?
													?	56'25	?
	Mymensingh	Kishoregunge	0'61	2'46	......	... ..	... .	1'94					13 18		50'30
		Atia (*Tangail*)	2'42	...	.....	... ..	0 83	0'07	......	3	3 33	11'06	12 01	30'64	39 90
		Mymensingh	1 93	0 45	.. ..	0'43	0 06	1'20	0'55	6	4'64	14'31	13'78	51'10	53 11
		Jamalpore ..	1'86	0'35	..	0'63	... .	0'17	... ..	4	3 01	17'49	13 45	54'54	45'14
		Netrokona .	0'78	0'80	0'07	0'25	0'10	1'00	1 51	7	4'51	12 98	16'51	64'18	51 13
		Subornakhali	4'92	. . .	. ..	... ..	0'69	0'19	0'01	4	5'81	13 59	?	47'51	?
		Durgapore ..	1'70	1'00	. ..	4'00	... .	1'20					?		?
		Dewangunj ...	3'30	0'38	1'05	0 81	0'20	0'04	......	6	5'84	12'69	?	46'20	?
NORTH BENGAL.	Pubna	Pubna ...	0'50	......	.... .	....	... ..	... ..	1'62	2	2'12		12'78		37'45
		Seraigunge ...	3'05	0'14	......	... ..	0'28	0'72	0 05	5	4'24	10'75	11'23	37'52	37 54
	Bogra .	Sherpore ...	4'75	0'07	......	0'31	0 64	0'06	0'02	6	5'85	12 87	12'25	32 38	42'21
		Nowkhilla ...	3 05	0 75	. .	.. .	1 95	... .	......	3	5'75	10'76	10'81	42'60	38 80
		Bogra ...	4'30	0'20	0'08	0'05	0'60	0'05	... .	6	5'28	11'72	11'93	34 41	45'02
		Panchbibi ..	2'20	0'19	0'50	0'10	1'05	......	0'08	6	4 12	10 16	11 53	35'28	40'23
	Rajshahye	Beauleah ..	1'19	0'52	0 76	... ..	......	0'08	0'22	5	2'77	9'21	12 05	21'00	30 48
		Nattore ..	...	.. .	... ..	....	.. .	2'23	0'20	2	2'45	14'22	12 16	41'93	37 84
		Naogaon .	0'93	0 15	... ..	... .	0'84	0'03	0'12	5	2 06	7'24	?	26 48	?
		Lalpore ...	... .	.. ..	.	0'30	. . ..	0 43	1 13	3	1'86	11'04	?	23 5	?
		Manda ..	0'47	. ...	1'60	......	. ..	0 36	... ..	3	2'43	8'59	?	23'57	?
	Maldah ...	Maldah ..	0'61	5'19	0'15	0'27	0'02	......	1'44	6	7'98	21'27	9'93	38 61	35'07
		Chanchal ..	1 05	1'60	0 44	..	0 64	.. .	0'18	5	3'91	10 45	14'09	24'75	42'83
		Gajol ...	0'57	1'55	0'43	0 55	1'30	0'10	... ..	6	4 43	13 67	?	29'60	?
		Sibganj ..	1'54	3'20	...	..	0'23	0'05	0 95	5	5'97	11'34	?	36'51	?
	Dinagepore ...	Mohadebpore	0'02	0'75	0'20	... ..	0'90	0'71	0'05	6	2'63	11'98	13'69	33'32	42'50
		Churamon ...	1'04	2'34	0'84	... ..	1'83	... ..	0'36	5	6'45	14'28	9'70	32 47	37 51
		Raigunge ...	0'35	0'96	0'41	... .	0'19	0'03	0'75	6	2'69	10'19	12 74	40 77	41'13
		Dinagepore ..	1'03	0 22	..	1'33	1'72	0 50	......	5	4'80	10'55	12 17	51 53	47 04
		Baloorghat	1'62	0'12	0'04	... .	1'06	0'05	.....	5	3'49	10'61	9'16	34'17	39 47
		Thakoorgaon	0'83	0'32	.. .	.. .	1'90	0'09	.. ..	4	3'14	10'19	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	3'25	0'52	......	......	0'32	......	......	3	4'09	11'18	10'23	38'30	43'36
		Rungpore ...	2'91	0 87	......	... ..	......	1'00	......	3	4'78	13'27	12'06	43'04	53'23
		Kurigram ..	2 02	'53	... .	... ..	0'21	.. ..	......	3	2'76	8'10	11'07	57'99	56 43
		Bagdogra (*Nilphamari*) .	1'14	1 30	0'35	... ..	0'85	0'22	......	5	3'86	8'09	14 92	43 03	61 37
		Ulipore ...	2'80	1 75	... ..	0'40	0'45	0'12	......	5	5'52	13'01	?	44'43	?
	Julpigoree ...	Julpigoree ..	0'77	... ..	... .	......	2'15	3'18	0'12	4	6'22	20'04	24'94	89 74	87 33
		Alipore Doar	0'42	0'55	0'12	1 30	0'23	... ..	1'17	6	3 78	12'77	?	68 20	?
		Fallacotta ...	0'32	. . .		1'32	1 96	0'77	0'12	5	4'49	15'33	?	75 55	?
		Debiganj ...	0'74	0 35	0'01	0'02	0 48	1'05	... .	6	2 65	7'83	?	55 09	?
	Cooch Behar..	Dinhatta ..	1'32	0'84	... .	3'71	0'94	0'03	... ..	5	6'84	23'10	17'26	80'67	67 70
		Cooch Behar .	0'78	0'55	0 15	... ..	2'40	... ..	......	4	3'88	14'58	21'43	78 70	81 75
		Mickligunge .	0'61	0'49	......	... ..	0'22	......	... ..	3	1'32	8'03	25'94	64 43	8_ 43
		Matabhanga ..	0'91	0'77	......	0'31	0'98	... ..	0'03	5	3'00	14'23	25 03	66 11	87 26
	Darjeeling Hill.	Buxa .	1'64	0'53	1 97	1'02	2'40	0'76	0'13	7	8'47	30'58	42'05	124'68	149 00
		Silliguri ..	0'85	0 12	...	0'62	1'65	0'08	0'05	6	3'17	12'80	24'25	65 01	82 39
		Darjeeling ...	4'20	0 08	0'03	0 02	1'38	0'04	1'03	7	7'48	23'01	25 45	74 59	83'04
		Kalimpong ...	1'14	0 19	0'04	......	1'06	0'11	1'44	6	3'93	14 54	23 00	58 09	61 24
NORTH BEHAR	Purneah ..	Kissengunge...	0'50	0'25	0'49	......	......	0'33	0'20	5	1 79	7'18	16'21	47'41	52 22
		Arrareah ..	0'25	1'20	0'90	.... .	... ..	0 20	. . ..	4	2 55	8 84	13 03	42 27	45 57
		Purneah .	0 58	2'72	1'54	... .	0'04	1'53	1 00	6	7 41	15 25	14 44	39 39	43 00
		Gondwara ...	0'26	1 15	0'20	... ..	.....	...	0'40	4	2'01		?		?
		Balarampore	0'46	1'16	3'50	.....	......	0 80	0 64	5	6'56	10'39	?		?
		Matiari ...	0'24	... .	0 95	... ..	......	0 25	0 32	4	1'76	5 39	?		?
		Kaliaganj ...	0'63	0'08	......	......	0 11	0'73	0'10	5	1'65	7'12	?	49'25	?
	North Bhagulpore.	Maddapore ...	0 61	3'84	1'50	......	1'45	0'45	0'56	6	8 41	13'11	11'79	45 53	31 46
		Soopool ...	0'83	1'11	1'65	......	0'03	0 20	1'84	16	5'76	9'76	12'32	34 87	34 33
		Protabganj ...	0'53	2'61	......	2'11	......	0'85	0'28	5	6'38	10'46	?	33'21	?
	Durbhunga .	Tajpore ...	... ..	3'21	1'32	0'11	......	......	0'64	4	5'28	13'02	10 35	33'74	31'13
		Durbhunga ...	0'89	1'76	1'31	......	0'20	... ..	0'22	5	4 38	6'70	11 39	30 31	32 11
		Madhubani ...	0'64	0'73	2'41	... ..	1'09	0'93	0'53	6	6'33	9 83	10'51	31'07	31 51
		Bahera ...	0'00	2 51	2 15	......	... ..	1'15	1'36	5	7'76	16'18	?	41 05	?
		Roshera ...	1'07	5'20	......	......	0'13	10'50	0'50	5	7'40	14'57	?	34 13	?
	Mozufferpore	Sitamarhi ...	0'07	0 32	0'90	......	......	......	1'20	4	2'49		9'75		29'35
		Mozufferpore	0 68	1'00	2'97	0'32	......	... ..	0 30	5	5'37	9'64	10'34	36'89	31 20
		Hajipore ...	0'42	1'84	3'51	0'42	......	0'10	0'75	6	7'04	18'05	10'15	40'36	29 90
		Pura ...	0'10	0'85	4'60	1'40	......	1 18	0'50	6	8'63	13'03	?	32 35	
		Mahua ...	0'05	2'40	3'26	0'21	. ....	0'95	0'21	6	7'08	14'05	?	30 35	
		Bushar ...	... ..	... ..	0'65	......	0'45	... ..	0'97	3	2'07	6 37	?	20 91	
		Pupri ...	1'20	0'30	1'05	......	... ..	......	1'00	3	3'55	6'76	?	18 39	
	Chumparun ..	Motihari ...	0'53	......	1'25	0'12	......	0'79	0'69	5	3'38	7'22	11'53	20 20	31 12
		Bettiah ...	......	......	1'54	0'56	... ..	0'40	0'40	4	2'89	9 18	12'34	37'01	31 50
		Bagaha ...	...	......	0'51	0'49	0'13	0'10	1'82	5	3 66	8'59	?	40 11	
		Burhurwa ...	0'37	0'25	2'73	1'22	......	0'59	0'48	6	5'90	11'00	?	31 5	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 31st of August 1888 —*concld.*

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 25th August.	Sunday, 26th August.	Monday, 27th August.	Tuesday, 28th August.	Wednesday, 29th August.	Thursday, 30th August.	Friday, 31st August.	TOTAL. Number of rainy days.	TOTAL. Rainfall of week.	Total rain fall since 1st of month	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR —*concluded.*	Sarun	Gopalgunge .	0·19	....	6·00	0·89	0·19	0·18	0·88	6	8·27	11·44	10·04	25·82	30·70
		Sewan ...	.. ..	0·16	4·91	1·02	0·36	. .	0·38	5	6·83		10·78		30·50
		Chuprah .	.. ..	1·61	3·47	0·69	..	0·16	1·05	5	6·98	12·31	9·91	29·90	29·23
SOUTH BEHAR	Shahabad	Buxar .	...	0·22	6·27	2·88	0·54			4	9·91	13·30	10·23	28·89	26·84
		Dehree .	0·07	0·12	3·92	0·09	.. ..	0·20	. . .	5	4·40	15·36	10·71	31·68	26·41
		Bhubooah ..	.	.	1·90	0·80	3·80	0·15	..	4	6·45	17·11	11·71	32·37	29·80
		Sasseram ..	...	.	5·31	0·52	0·63	... .	1·00	4	7·46	18·81	11·80	33·94	29·01
		Arrah ..	0·05	4·30	5·50	0·35	0·78	... .	0·75	6	11·73	17·74	10·93	36·96	29·13
		Mohania ...	... ..		2·10	. . ..	1·10	0·80	.....	3	4·00	14·25	?	35·68	?
	Gya ..	Aurungabad ..	. ..	1·71	4·16	... ..	.....	0·52	0·45	4	6·84	20·71	12·52	45·83	31·74
		Gya .	0·55	1·78	7·59	.....	... ..	..	0·01	4	9·93	28·59	11·42	41·07	31·86
		Nowadah .	0·95	6·23	5·00	..	0·04	0·09	0·12	6	12·43	26·52	10·73	43·27	29·36
		Jehanabad ...	0·20	3·26	9·05	1·43	0·46	0·45	0·02	7	14·67	22·90	12·25	38·01	30·34
		Arwal ...	...	3·10	6·74	1·10	.. .	...	0·15	4	11·09	17·14	?	30·00	?
		Daudnagar ...	. ..	1·24	5·07	1·45	......	0·45	0·50	5	8·71	15·15	?	35·43	?
		Sherrghati .	. ..	1·85	3·53								?		?
		Rajauli .											?		?
		Pakri Barawan	3·00	5·50	2·25								?		?
	Patna ...	Patna .	0·44	1·99	3·13	0·83	... .	0·27	2·65	6	8·81	17·11	10·62	35·87	30·63
		Dinapore .	0·16	1·76	4·80	0·60	..	0·55	0·40	6	8·27	15·53	11·33	38·69	30·55
		Behar .	0·76	5·70	1·75	. .	0·47	0·28	0·26	6	9·22	24·41	10·[illegible]0	47·45	31·18
		Barh .	1·30	5·40	1·35		.. .	0·40	1·10	5	9·8[illegible]	17·35	9·38	41·37	28·03
		Bickram ...	..	2·30	6·25	0·50	.. ..	0·80	0·2[illegible]	5	10·00	14·05	'	29·55	?
		Hilsa ...	0·53	2·95	5·45	0·50	.. ..	0·54		5	10·03	23·78	'	40·60	?
	Monghyr	Begooserai ..	3·25	4·20	0·75	. ..	0·05	0·52	2·39	6	11·16	18·27	9·94	37·82	28·77
		Monghyr .	2·67	2·68	0·11	...	0·06	.	0·95	5	6·47	14·12	12·60	43·27	33·27
		Jamui ...	3·41	6·28	1·91	... ..	0·76	1·55	0·98	6	14·88	25·26	11·41	42·93	32·12
		Gogri ...	2·57	2·73	0·46	...	.	... .	4·27	4	10·03	19·67	?	46·36	?
		Sheikpura ...	4·08	4·15	2·35			0·64	0·68	5	11·80	27·64		54·64	•
	South Bhagulpore	Bhagulpore ..	2·60	2·38	0·15	0·69	0·05	... ..	1·45	6	7·38	16·83	10·15	46·61	30·61
		Banka ..	3·02	0·49	0·11	1·11	0·29	.. .	2·22	6	7·24	19·14	11·13	32·30	31·33
		Kolgong ..	1·90	4·16	0·09	0·04	. .	0·19	1·61	6	7·99	15·33		43·39	?
	Sonthal Pergunnahs	Rajmehal ..	3·38	7·32	0·08	....	3·08	... .	0·03	5	15·09	21·40	9·88	40·84	36·16
		Godda .	2·10	0·53	0·07	1·16		0·04	0·33	6	4·23	19·65	11·70	40·35	31·90
		Pakour	3·04	2·25	0·03	0·08	0·35		1·77	6	8·02	19·79	11·69	48·14	37·59
		Nya Doomka	2·91	0·62	0·10	0·09	0·42	0·07	2·67	7	6·78	26·36	13·[illegible]5	43·98	37·54
		Deoghur	5·35	2·73	0·2[illegible]	...		1·73	1·68	5	11·69	22·45	12·27	45·71	36·25
		Jamtara	1·89	2·21	.	..	..	...	1·78	3	5·88	22·16	12·60	47·53	36·81
		Mahagama ...	1·15	0·38			.. .	0·35	1·95	4	3·83	19·10	?	?	?
		Nonihat ..	1·80	0·15	... ..	... .			0·80	3	2·75	11·84	?	25·93	?
CHUTIA NAGPUR.	Hazaribagh .	Pachamba (*Giridih*). ..	3·72	4·85	0·24	0·03	0·10	1·21	1·40	7	11·75	23·78	12·34	45·26	34·65
		Hazaribagh	0·44	3·00	0·76	0·17	0·05	0·14	0·76	7	5·32	25·08	13·41	44·19	35·07
		Semtaguran	1·50	1·86	0·10	..	0·15	..	0·78	5	4·30	21·50	11·45	45·33	33·20
		Mahudi Hills											14·00		35·44
		Jhoomrah Hills											15·04		44·70
		Barhi ..	0·60	5·75	2·50	0·44		0·20	... ..	5	9·49	21·80	?	45·46	?
		Chatra .	0·23	1·50	2·20	.	... ..	0·28	... ..	4	4·21	19·44	?	45·41	?
		Karagdeha ...	5·40	4·80		.	.. ..	.. ..	.. ..	2	10·20		?		?
		Kumghar	0·15	1·13	0·49	0·15							?		?
	Lohardugga	Lohardugga .	0·11	0·18	0·73	0·79	0·05		0·01	6	1·87	17·42	12·75	37·26	30·80
		Ranchi .	0·18		0·52	0·54	0·36	0·80	0·11	6	2·31	25·70	14·41	44·40	33·73
		Palamow .	0·10	0·22	1·06	0·05	. .	0·05	0·20	6	1·66	20·03	11·56	43·47	31·15
		Silli .	.	0·50	1·40	......	..		... ..	2	1·90	23·70	?	?	?
		Balumat .											?	?	?
		Hossainabad .		...	. ..	0·02	...	0·02	......	2	0·04		?		?
		Gurwah .		15									?		?
	Singbhoom	Chyebassa	0·57	..	. .	. .	.	1·00	1·30		2·87	17·25	13·83	34·42	30·01
		Chukradharpore.					..	.	0·13				?		?
		Ghatsilla	0·75		0·27								?	—	?
		Bunaragura	2·28	0·27		0·31							?		?
	Manbhoom	Purulia ...	0·04	0·81	0·17	1·79		0·31	0·95	6	3·77	20·97	13·91	46·59	36·90
		Gobindpore .	0·9[illegible]	1·69	0·03	0·02	0·51	0·05	0·80	7	3·50	14·78	12·30	29·08	33·34
		Raghunathpore	0·21	0·80	3·21	0·11	1·81	0·11	1·83	7	8·08	24·02	?	44·11	?
		Barrabhoom	0·15	0·04	0·45	1·30	0·12	.	0·50	6	2·56	21·87	?	45·63	?
		Jhalda .											?		?
		[illegible]													?

Explanation. Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 4th September 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 31ST OF AUGUST 1888.

THE meteorological history of the previous week had been important from the formation of a cyclonic storm at the head of the Bay. This storm subsequently advanced slowly over South-West Bengal, where it remained stationary for some days, gradually intensifying, and then commenced to move more rapidly in a north-westerly direction, and with its forward movement it strengthened considerably, giving strong winds and heavy rain. On Friday, the 24th, the centre of the storm was to the north of Calcutta, and at 10 A.M. of this day the central calm was reported from Krishnaghur. The storm continued its slow north-westerly advance, and on the morning of the 25th its centre was in the Sonthal Pergunnahs district, the centre being to the west of Nya Doomka. On the 26th it advanced into the middle of Behar, and its centre was to the east of Gya and to the south-west of Bhagulpore, but the storm centre was at a considerable distance from any meteorological observatory. On the 27th the storm was close to Patna, the centre being to the east or north-east of that station, and on the 28th the storm had passed from Bengal into the North-West Provinces, and the centre was to the south of Gorakpur. Up to the 27th the intensity of the storm had continued to be very considerable, and on this day, with its approach towards Patna, pressure fell by more than a fifth of an inch, and a pressure of 29·49 inches was reported; but with the advance of the storm into the North-West Provinces the storm rapidly decreased in intensity and commenced to fill up, and on the morning of the 28th it was a comparatively feeble storm. During the 28th and up to the morning of the 29th, the decrease in intensity continued, and on the latter day the only indication of its existence was a feeble residual cylonic circulation of winds in Oudh and Rohilkund; while on the 30th it had entirely disappeared. As the storm had formed at the head of the Bay on the morning of the 19th, it had therefore a life history of eleven days, while the course it travelled over was barely six hundred miles.

From the period the 23rd to the 27th, it was a decidedly influential storm accompanied by very strong winds, and in its progress it brought up extremely heavy rain, but previous to and after the date mentioned the storm was of little importance. The heavy falls up to and including the 24th accompanying the storm have already been detailed in the report for the previous week, and during the advance of the storm inland the following exceptionally heavy falls were reported:—On the 25th Chooadanga received 6·25 inches, and Diamond Harbour, Culna, Deoghur and Karakdiha between 5 and 6 inches; falls in excess of four inches were reported from Barrackpore, Goalundo, Subornakholly (Mymensingh district), Sherepore, Bogra, Darjeeling, and Shiekpura (Monghyr district); while falls in excess of two and three inches were very numerous. On the 26th Rajmehal received 7·32 inches, Jamui 6·28 inches, Nowada 6·23 inches, Burhi 5·75 inches, Behar 5·70 inches, Pakri Barawan 5·5 inches, Barrh 5·40 inches; while falls in excess of three and four inches were numerous. Again on the 27th, Jehanabad (Gya district) received 9·05 inches, Gya 7·59 inches, Arwal 6·74 inches, Buxar 6·27 inches, Bikram 6·25 inches and Gopalgunge 6 inches, and falls in excess of five inches were reported from Sasseram, Arrah, Nowadah, Daudnagar and Hilsa. After this date the falls became more moderate in amount, as the storm had passed out of Behar, and was rapidly diminishing in intensity.

From about the 29th the meteorological conditions in Bengal were fairly normal for the monsoon period, and they continued so on the following day; but on the 31st again a small barometric depression had formed in the north-west angle of the Bay, which was accompanied by a distinct cyclonic circulation of winds, though the wind velocities were light; the centre of this circulation was to the south of Saugor Island, or in almost exactly the same position as that in which the former storm had generated The depression was, however, particularly feeble on the 31st, and did not affect the weather in the province to any material extent.

Pressure.—With the passage of the cyclonic storm through the province, the changes of pressure have been decidedly large, and, with the advance of the storm centre pressure fell by about a fifth of an inch, while in its rear a more than corresponding increase was reported. The general pressure for the whole province has therefore been in defect of the normal, the defects being largest in the western districts through which the storm passed. Thus the mean pressure for the week at Burdwan was less than the normal by 0·086 inch, at Patna it has been 0·076 inch in defect, while at Gya the defect has been 0·071 inch. For the whole province the mean defect for the week has been 0·055 inch In Assam the defect has been rather smaller and has averaged 0·037 inch.

Temperature.—Owing to the heavy rainfall during the week, temperature has generally been below the normal, the defect in Behar being very considerable, where it has amounted to between two and a half and three degrees. In Chutia Nagpur also the defect has been almost equal to two degrees, but over the remainder of the province the defects have been somewhat smaller averaging about one degree. For the whole province the mean temperature for the week has been 1·6° below the normal for the period. In Assam a mean defect of 1° is reported.

Rainfall.—The heaviness of the rainfall over the area affected by the passage of the cyclonic storm has already been referred to Rainfall has thus been in large excess in Behar, Chutia Nagpur and South-West Bengal, while smaller excess falls are also reported in East and North Bengal. Orissa has again received a fall decidedly smaller than the normal, and the comparative absence of rainfall and the continued lightness of the showers received in this district are well marked features of the present monsoon. In South Behar the excessively

heavy average fall of 9·10 inches is reported for the week, which is nearly seven inches in excess of the normal amount. In North Behar an average fall of 5·37 inches has been received, which is more than two and a half inches in excess of the normal. In East Bengal a fall of 4·50 inches is recorded, or somewhat less than two inches in excess of the usual quantity. In South-West Bengal the stations have received an average fall of 4·33 inches, which is 2·15 inches in excess of the normal. In North Bengal the average fall has been 4·22 inches, which is a little more than half an inch in excess of the normal, and in Chutia Nagpur an average fall of 4·24 inches has been received, or again about two inches more than the usual amount. The fall in Orissa has this week been decidedly scanty, and it only amounts to 1·20 inches as against an average of about 5 inches over the remainder of the province. This fall is 0·69 inch in defect of the normal amount, or, in other words, the actual has been less than two-thirds of the normal.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 31st of August 1888 :—

Meteorological Divisions.	Temperature.		Averages for week.			Average mean of week above or below normal	Rainfall. Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
	Highest	Lowest	Of highest	Of lowest of each day	Of mean for each day					Average of week	Normal average number in week.	Variation				N.
Orissa†	93 4	75 6	87 9	78 1	82 6	—0 7	1 20	1 89	—0 69	3 5	4 0	—0 5	20 20	11 18	36 40	34 79
South-West Bengal	92 1	74 3	87 0	77 7	82 4	—1 1	4 33	2 18		4 2	4 2		20 05	12 76	44 58	37 58
East Bengal	89 1	70 8	84 6	76 9	80 7	—1 4	4 50	2 87	+1 63	5 0	4 8	+0 2	21 02	15 87	56 80	54 74
North Bengal	91 1	69 7	87 4	77 1	82 2	—0 7	4 22	3 60	+0 62	4 5	4 9	—0 4	12 23	14 13	44 45	51 49
North Behar	92 7	71 6	86 4	76 3	81 3	—2 5	5 37	2 71	+2 66	5 1	4 1	+1 0	13 72	11 00	35 02	34 54
South Behar	91 0	73 3	85 7	76 2	81 0	—2 8	9 10	2 21	+6 89	5 4	3 9	+1 5	19 10	11 30	40 60	31 60
Chutia Nagpur	84 9*	69 7*	80 5*	71 5*	76 0*	—1 9*	4 24	2 29	+1 95	5 3	4 3	+1 0	17 63	13 20	41 57	36 34
Assam	92 6	75 3	87 5	76 8	82 2	—1 0										

* Chybassa not included. † Pooree not included.

METEOROLOGICAL OFFICE, BENGAL;
The 4th September 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 26th August to 1st September 1888.

Month		Temperature.	Maximum		Minimum	wet bulb.	Hygrometry. Vapour	Dew point.	Humidity.	
1888							Inches.			Inches.
August	26th	82 5	89 0	10 2	78 8	79 7	·978	78·6	68	.. ...
	27th	85 9	90 2	10 4	79 8	81 3	1 036	80 3	89	0 07
	28th	82 6	90 5	10 7	79 8	81·0	1 038	80 4	93	
	29th	83 3	91 4	11 6	79 8	80 7	1·015	79 7	89	..
	30th	79 2	89 0	13 2	75 8	78·2	·953	77 8	95	3 55
	31st	78 2	89 0	13 2	75 8	77 3	·926	76 9	95	1 39
September	1st	77 7	80 9	4·9	76 0	76 7	·907	76 3	95	3·76

The mean temperature of the seven days ... 81·1
The extreme variation of temperature ... 15·6
The maximum temperature ... 91·4

The mean relative humidity .. % 92

The total fall of rain from 26th August to 1st September 1888 ... Inches. 8·77

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE INDIA;
The 3rd September 1888.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 26th August to 1st September 1888.

Month.	Date.	Mi	Number of hou bright ine.		TEMPERATURE.				HYGROMETRY wet bulb.		Dew		WIND. Prevailing direction	Mil	Rain	WEATHER.
1888		O		Inches	O	O	O	O	O	Inches	O	%			Inches	
Aug	26th	148 7	7 5	29 625	82 6	86 6	8·0	78 6	79 7	0 977	78 5	88	SSW and SW	229	Nil	Chiefly cloudy, o, g
	27th	149 6	7 0	613	83 8	88 0	8 4	79·6	80·6	1·005	79 4	87	SW by S, and SSW	129	0 02	Chiefly cloudy, d.
	28th	149 8	3 9	598	83 8	88 9	9 5	79 4	80 5	0 999	79·2	86	NW by N and SSW	73	Nil	Chiefly cloudy, o, t.
	29th	149 5	4·8	·590	83 6	89 2	9 6	79 6	80 5	1 001	79·3	87	S by W and W by S	78		Chiefly cloudy, o, p
	30th	154 5	0 8	588	81 9	87 1	11 5	75 6	78 8	0 959	78·0	91	SSW, S and variable	65	1·99	Cloudy, o, g, d, p, K
	31st	151 6	2 7	·603	80·8	87 1	11 8	75 3	78 6	·952	77 8	91	WNW and variable,	74	1 79	Cloudy, o, g, p, t
Sept	1st	105 6	Nil	621	79 2	80 5	5 1	75 4	77 5	923	76 8	93	WNW, calm and variable	26	2·32	Chiefly cloudy, o, d, p, g

	Inches.
The mean pressure of the seven days	29·606
The average pressure of the corresponding period for 24 years, S. G.'s Office ..	29·632
	Hours.
The total number of hours of bright sunshine	27·3
The maximum possible number of hours of sunshine	88 3
	O
The mean temperature of the seven days	82 2
The average temperature of the corresponding period for 24 years, S. G.'s Office	83·5
The extreme variation of temperature	13·9
The maximum temperature	89·2
	Miles.
The highest velocity of the wind in one hour	19
	lbs.
The highest pressure of wind on one square foot	Not measurable.
The mean relative humidity	
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	85
	Inches
The total fall of rain from 26th August to 1st September 1888 ...	6·45
The average fall of the corresponding period for 24 years, S G.'s Office .	2·01
The total fall from 1st January to 1st September 1888 . . .	56·42
The average fall of the corresponding period for 24 years, S. G.'s Office .	48·54

The mean pressure, temperature, &c , are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, K thunderstorm.

A. PEDLER,

for Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 3rd September 1888.

MEMORANDUM.

THE returns from the principal Municipalities in Bengal presented, during the week ending 18th August 1888, the following results :—

1. That births and deaths were recorded in these Municipalities at the rates respectively of 19·4 and 27·3 per 1,000 of population, as opposed to 19 8 and 24 6 per 1,000 in the preceding week, indicating a fair advance in the registration of deaths.

2. That these events were returned in the highest proportions from the following Municipalities :—

Births.

	Ratio per *mille*
Monghyr ...	49 7
Beauleah ...	34·1
Puri	33 6
Naraingan	29 0
Bhagulpore ..	29 0

Deaths.

	Ratio per *mille*
Gya ..	82 0
Arrah	49 0
Puri	37 8
Serampore	35 3
Chupra	35 2
Comillah	34 7
Beauleah	34 1
Suburbs of Calcutta	33 5
Mozufferpore	32 8
Monghyr	30 7

3. That, in comparison with the results of the preceding week, there was a considerable increase in the death-rate from fever, but only small differences in the casualty-rates from the rest of the death-causes, excepting small-pox, the fatality from which remained stationary :—

	Ratio per *mille* during the weeks ending—	
	18th August 1888	11th August 1888
Cholera	5 2	5 6
Small-pox	03	03
Fever	10 3	8 1
Bowel-complaints	3 1	2 8
Injury	·4	·5
Other causes	8 2	7 5

4. That the Municipalities named below appear to have suffered most from the diseases indicated in the foregoing table, excepting small-pox and injury, the deaths from which were nowhere above normal :—

Cholera.

	Ratio per *mille*.
Gya	24 6
Chupra	21 5
Arrah	20 3
Mozufferpore	13 1
Puri	8 4
Patna	6 5
Serampore	5 9
Suburbs of Calcutta	2 3

Fever

	Ratio per *mille*
Gya .	31·4
Comillah ...	30 8
Beauleah	23 6
Arrah .	21 5

Bowel-complaints.

	Ratio per *mille*
Puri ...	12 6

Other causes

	Ratio per *mille*
Gya ..	23 9
Mozufferpore	15 8
Puri . ..	14 7
Suburbs of Calcutta	10 3
Bhagulpore	9 9
Monghyr ..	9 9
Chupra	9 8

5. That the casualties in relation to *Sex*, *Class* and *Age*, were returned at the rates indicated below :—

According to Sex.

	Ratio per *mille*.
Males	28 8
Females	25 6
Ratio of male deaths to every 100 female deaths	127

According to Class.

	Ratio per *mille*.
Christians ..	21 7
Hindus ..	28 3
Mahomedans ..	25·3

According to Age.

	Ratio per *mille*.
Under 1 year ...	217 8
1 and under 5 years ...	53 6
5 " 10 " ...	19 0
10 " 15 " ...	15·4
15 " 20 " ...	17·2
20 " 30 " ...	17·5
30 " 40 " ...	14 3
40 " 50 " ...	19·5
50 " 60 " ...	23 5
60 years and upwards ...	53·0

W. H. GREGG, M.B., *Surgeon-Major*,
Offg. Sanitary Commissioner for Bengal.

The 3rd *September* 1888.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
					NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.			Ratio of male births to every 100 female births.	Disease.															Sex.				
												DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.							Ratio of deaths per 1,000 of population per annum in the previous week.	DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths.
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		Cholera.	Small-pox.	Fevers.	Bowel complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.		Males.	Females.	Males.	Females.	
Burdwan	Burdwan	18,063	16,017	34,080	3	7	10	4·6	10·7	15·3	42	.		4	2		3	9	.	...	6·1	3·0		4·6	13·7	21·4	3	6	8·6	19·5	50
Midnapore ...	Midnapore	16,927	16,633	33,560	8	7	15	12·4	10·8	23·2	114	2	..	...	2	1	3	8	3·1	...		3·1	1·5	4·6	12·4	24·8	6	2	18·4	6·3	300
Hughli	Hughli and Chinsurah ...	19,179	19,539	38,718	5	2	7	6·7	2·7	9·4	250	..	...	1		..	2	3		...	1·3	..		2·7	4·0	13·4	1	2	2·7	5·3	50
Serampore	Serampore	13,559	12,937	26,496	6	3	9	11·8	5·9	17·7	200	3	...	6	5	..	4	18	5·9	...	11·8	9·8		7·8	35·3	25·5	12	6	46·0	24·1	200
	Utterpara	3,046	2,464	5,510	...	2	2		18·9	18·9	No male birth.	..	...	...	...	...	1	1	...	...	...	...		9·4	9·4	15·9	...	1	...	21·1	No male death.
Howrah	Howrah	53,153	37,660	90,813	17	13	30	9·7	7·4	17·2	130	2	..	12	7	1	5	27	1·1	...	6·9	4·0	·6	3·3	15·5	13·7	17	10	16·6	13·8	170
	Bali	7,836	6,979	14,815	1	1	2	3·5	3·5	7·0	100	1		...	..	1	...	2	3·5	..		...	3·5	...	7·0	10·5	1	1	6·6	7·5	100
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	35	47	82	7·2	9·7	16·9	74	11		73	25	3	50	162	2·3	...	15·1	5·2	·6	10·3	33·5	22·3	82	80	29·0	39·9	102
Nuddea	Kishnaghur	13,263	14,214	27,477	.	1	1	.	1·9	1·9	No male birth.	...	...	2			1	3		...	3·7	.	...	1·9	5·6	9·4	1	2	3·9	7·3	50
	Ranaghat	4,028	4,655	8,683	1	.	1	6·0	...	6·0	No female birth.		...	1	1	...	...	2	...	...	6·0	6·0	...	...	12·0	6·0	1	1	12·9	11·2	100
	Santipore	13,708	15,979	29,687	2	2	4	3·5	3·5	7·0	100	...	..	3	..	...	.	3	...	...	5·2	...	..	...	5·2	1·7	1	2	3·8	6·5	50
Jessore	Jessore	4,830	3,665	8,495	1	.	1	6·1	.	6·1	No female birth.		...	2	.	...		2	..	...	13·2		...	.	12·2	6·1	1	1	10·8	14·2	100
Rajshahye	Rampore Beauleah ...	10,766	9,025	19,791	4	9	13	10·5	23·6	34·1	44		...	9	2	.	2	13	...	...	23·6	5·2	..	5·2	34·1	7·9	7	6	33·3	34·6	116
Darjiling	Darjiling*	5,029	2,947	7,976	...	1	1	...	6·5	6·5	No male birth.	...	...	2	...	...	...	2	..	..	13·0	...	...		13·0	13·0	1	1	10·3	17·6	100
Dacca	Dacca	42,782	37,379	80,161	6	7	13	3·9	4·5	8·4	85	...	..	1			13	14		...	·6		...	8·4	9·1	19·4	11	3	13·4	4·2	366
	Narainganj	7,606	4,956	12,561	6	1	7	24·8	4·1	29·0	600	1	...	.	1	..	1	3	4·1	..	..	4·1	...	4·1	12·4	12·4	2	1	13·7	10·5	200
Chittagong	Chittagong	13,340	8,790	22,130	3	4	7	7·0	9·4	16·4	75	..	...	4	1	.	.	5	...	...	9·4	2·3	...	...	11·7	9·4	3	2	11·7	11·8	150
Tipperah	Comillah	8,153	5,353	13,506	3	1	4	11·3	3·8	15·4	300	...	...	8	..	...	1	9	..		30·8	..	...	3·8	34·7	34·7	6	3	38·2	29·1	200
Patna	Patna City	78,762	81,475	160,237	40	27	67	13·0	8·7	21·7	148	20	...	29	11	1	21	82	6·5	...	9·4	3·6	·3	6·8	26·6	23·0	47	35	31·0	22·3	134
Gya	Gya	38,290	37,831	76,121	15	21	36	10·2	14·3	24·6	71	36	1	46	2	...	35	120	24·6	·7	31·4	1·4	...	23·9	82·0	67·6	64	56	86·9	77·0	114
Shahabad	Arrah	20,960	22,505	43,465	12	6	18	14·3	7·2	21·5	200	17	...	18	1		5	41	20·3	...	21·5	1·2	...	6·0	49·0	33·3	17	24	42·2	55·5	70
Mozufferpore ...	Mozufferpore	23,084	19,658	42,742	10	6	16	12·2	7·3	19·5	166	11	..	3	...	...	13	27	13·4	.	3·6	...	...	15·8	32·8	29·2	14	13	31·5	34·4	107
Durbhanga ...	Durbhanga	33,774	32,322	66,096	10	16	26	7·9	12·8	20·5	62	1	..	9	3	...	8	21	·3	...	7·1	2·3	...	6·3	16·5	19·7	11	10	16·9	16·1	110
Sarun	Chupra	26,044	27,205	53,249	9	7	16	8·8	6·8	15·6	128	22	...	1	2	1	10	36	21·5	..	1·0	1·9	1·0	9·8	35·2	45·0	23	13	45·9	24·8	176
Bhagulpore ...	Bhagulpore	29,640	27,813	57,453	17	15	32	15·4	13·6	29·0	113	...	...	13	...	..	11	24	...	...	11·8	...	...	9·9	21·7	22·6	19	5	33·3	9·3	350
Monghyr	Monghyr	28,154	29,366	57,520	24	31	55	21·7	28·0	49·7	77	...	...	14	7	2	11	34	...	...	12·6	6·3	1·3	9·9	30·7	31·6	23	12	40·6	21·2	183
Purneah	Purneah	8,463	6,553	15,016	1	1	2	3·4	3·4	6·9	100	...	...	1	3	1	1	5	.	...	3·4	6·9	3·4	3·4	17·3	17·3	3	2	18·4	15·9	150
Puri	Puri	13,247	11,537	24,784	13	3	16	27·3	6·3	33·6	433	4	.	1	6	...	7	18	8·4	...	2·1	12·6	...	14·7	37·8	42·0	13	5	51·0	22·5	260
	TOTAL ...	702,890	619,691	1,322,581	252	241	493	9·9	9·5	19·4	104	131	1	263	80	11	208	694	5·2	·03	10·5	3·1	·4	8·2	27·3	24·6	389	305	28·8	25·6	127

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, and it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

MORTALITY ACCORDING TO— (13, 14) Class

DISTRICT.	NAMES OF MUNICIPALITIES.	13. Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	14. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.
Burdwan ...	Burdwan		5	1	...	...		17·6	5·1	..	...
Midnapore ...	Midnapore	...	8	...	...	...		16·0		...	...
Hughli ...	Hughli and Chinsurah ...	...	3	...	...	.	...	4·9	...	...	.
Serampore ...	Serampore		18	...	...	...	.	37·1			..
	Utterpara	.	1	...	...	...	..	9·7		...	
Howrah ...	Howrah	...	19	6	...	...		14·5	20·3	...	.
	Bali	...	2	...	.	...	..	7·8	..	..	...
24-Pergunnahs ...	Suburbs of Calcutta ..	8	94	65	.		38·5	32·6	35·0	.	.
Nuddea ...	Kishnaghur		...	3	...	...		...	19·8	..	...
	Ranaghat	...	2	...	...	...	.	14·2		..	..
	Santipore	...	3	..		...	..	7·5		.	.
Jessore ...	Jessore	..	2	...	..	..	...	23·0	...	..	..
Rajshahye ...	Rampore Beauleah ...	...	7	6	.	.	..	36·7	31·8	...	
Darjiling ...	Darjiling	...	2		.	...	...	22·6		..	.
Dacca ...	Dacca	.	7	7	...	.	...	9·0	9·7	...	
	Narainganj	...	3	..	..	..	.	24·7		.	
Chittagong ...	Chittagong	1		4	..	.	65·3	...	15·6	.	
Tipperah ...	Comillah	.	4	5	.	...	.	35·0	35·2		.
Patna ...	Patna City		68	14	...	.	...	27·7	17·5	...	
Gya ...	Gya	..	97	25	..	...		54·9	74·4	..	.
Shahabad ...	Arrah	...	28	13	.	..		46·9	34·5	.	.
Mozufferpore	Mozufferpore ...	...	14	13		..	.	24·2	34·2	.	
Durbhanga	Durbhanga	.	17	4	..	.	..	15·3	11·8		
Sarun ...	Chupra	.	26	10	..	...	..	32·9	43·3	.	..
Bhagulpore	Bhagulpore		20	4		..	.	26·2	12·1	.	..
Monghyr ...	Monghyr	.	27	7	.	.	..	31·4	23·0	.	
Purneah ...	Purneah	1	.	4	..	.	311·4		30·7	..	..
Puri ...	Puri	...	18	...	...	..	...	38·2		...	...
	TOTAL ...	5	496	191	...	..	21·7	28·3	25·3	...	...

MORTALITY ACCORDING TO— (15, 16) Age

NAMES OF MUNICIPALITIES.	15. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16. Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	2	...		1		1	2	...	2	1	157·6	..	..	20·7	...	6·6	15·1	...	42·4	35·1
Midnapore		1	1	...		1	1	...	2	2	..	22·1	13·9	.	..	7·1	9·4	...	50·4	56·8
Hughli and Chinsurah	1		1	..				..		1	55·1		14·9	..	...	...	...	...	...	20·7
Serampore	1	3	2	1	1	2	1	3		4	73·2	36·4	41·4	23·4	13·8	19·3	10·5	46·2	...	349·6
Utterpara	1		..	.	..	...	.		.		323·0	...	..	..	...	..	...	...	...	...
Howrah	6	2	1	1	...	3	3	4	5	2	151·2	18·8	8·8	7·9	...	6·9	8·1	17·7	47·4	27·7
Bali	...	1		1	..	...	...			...	...	52·1	...	43·8	..	...	...	...	...	...
Suburbs of Calcutta	23	10	9	5	11	38	22	11	11	22	251·0	32·2	23·6	14·5	31·7	34·0	22·2	16·8	33·7	80·3
Kishnaghur	...		2	...	..	..	...	1	...	,	...	...	30·3	...	...	...	...	15·9	...	...
Ranaghat	1			..		1			..	...	251·2	...	...	...	...	34·5	...	...	...	...
Santipore					1	1		...	..	1	...	..	...	...	23·4	10·6	...	...	...	26·5
Jessore				.	...	1	..	1		.	...	...	...	...	...	25·8	...	49·5	...	...
Rampore Beauleah	3	1	2		2		2	1		2	384·3	36·7	50·0	...	63·6	..	28·9	21·2	...	108·0
Darjiling		1	.		...	1	.	.	..	...	...	80·9	...	..	.	56·0	...	...	...	...
Dacca	2	1	1			2	2	2	1	3	54·8	7·1	5·2	.	...	6·8	8·9	12·2	11·0	28·0
Narainganj	1			..	.	1	1	..	.	...	186·4	...	...	...	...	19·5	24·3	...	...	...
Chittagong		1		1	.	1	1	1	...	...	...	26·4	...	20·2	...	11·2	15·6	23·0	...	...
Comillah	.			...	1	3	1	2	.	2	...	...	...	...	21·5	56·5	26·1	79·4	..	153·4
Patna City	9	25	6	4	2	6	3	8	6	13	108·8	89·1	13·5	14·5	9·3	10·8	6·7	22·1	22·1	48·9
Gya	35	50	6	6	3	8	9	11	5	7	106·8	245·5	44·6	40·4	29·8	53·0	35·8	55·5	39·6	70·7
Arrah	6	5	5	3	3	4	3	1	2	6	242·2	93·3	50·7	35·3	49·5	20·4	24·2	11·1	33·[illegible]	108·2
Mozufferpore		6	6	4	1	2	2	1	1	4	..	77·2	69·4	52·6	17·1	12·1	14·9	10·4	16·0	85·5
Durbhanga	5	5	1	5		2	...	1	1	3	167·0	34·2	6·6	28·1		7·8	.	7·1	11·6	46·8
Chupra	8	7	3	1	4	2	5	4	2	...	288·1	68·5	25·3	10·1	58·3	10·9	34·2	33·1	24·7	...
Bhagulpore	10	4		1	1	4	1		2	1	435·5	38·4		8·3	12·4	19·0	5·6	...	24·4	14·4
Monghyr	11	4	1	2	3	5	1	2		5	355·2	33·4	7·4	18·1	41·3	25·1	5·8	16·3	...	72·5
Purneah	.	1		.		1		2		1	...	43·0	...	..	...	15·8	...	56·1	...	64·4
Puri	2	2	1	...		1	3	4	3	2	343·2	57·9	23·2	...	...	9·8	38·5	68·6	69·9	57·8
TOTAL	127	113	48	34	31	91	63	60	43	82	217·8	53·6	19·0	15·4	17·2	17·5	14·3	19·5	23·5	53·0

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing quantities of Goods carried during the month of July 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
955	1. Grain ...	528	15.044	15,572	8,45,438	15,572	8,45,438	* Only 6 maunds passed on Bhagiruthy at Jungypore.
.....	2. Cotton ...	......	.. ...	...	......	..	......	
188	3. Oilseeds ...	128	6,246	6,374	5 88,444	6,374	5,88 444	
356	4. Salt ...	3,876	......	3,876	3,51,384	3,876	3,51,384	
1	5. Piece-goods* ...	... ..	......	......	2,500	. ...	2,500	
·29	6. Metal .	159	21	180	84 940	180	84,940	
89	7. Building materials	376	445	821	8,926	821	8,926	
1,785	8. Miscellaneous ...	5,499	22,485	27,984	24,62 604	27 984	24,62,604	
45	9. Fuel ...	1,383	155	1,538	16,334	1 538	16,334	
24 rafts.	10 Timber ...	705 c. ft.	11 980 c. ft.	12,685 c. ft	6,022	12 685 c. ft.	6 022	
31 „	11. Bamboos ...	289 „	10,900 „	11,189 „	1,166	11,189 „	1,166	
3 448 & 55 rafts.	12. Total ...	11,949 & 994 c. ft.	44,396 & 22,880 c. ft.	56,345 & 23,874 c ft.	43,67,758	56,345 & 23,874 c ft	43,67,758	
3,788 & 21 rafts.	13. Total of same month last year	10,403 & 1,865 c. ft.	45,550 & 15,202 c. ft.	55,953 & 17,067 c. ft.	47,92,878	55,953 & 17,067 c.ft.	47,92,878	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	951	2,497	3,448
14A. Ditto empty boats, steamers &c. No.	522	138	660
15. Total number of boats plying passenger No.	745	1,344	2,089
15A. Ditto empty boats „	229	28	257
16. Total registered tonnage, cargo Tons	29,818	87,968	1,17,786
17. Total registered tonnage, passenger Tons	444	1,164	1,608
18. Ton mileage	......	......	...
19. Estimated value of cargo Rs.	15,80,438	27,80,132	43,60,570
20. Number of passengers No.	963	1,294	2 257
21. Rafts, bamboos C. ft.	289	10,900	11,189
22. Do., bullahs „	705	11,980	12,685
23. Estimated value of rafts Rs.	1,091	6 097	7,188
24. Tollage on boats „	6,744-9-0	18,730-7-6	25,475-0-6
25. Compounded tollage on boats Rs.	......	... ..	......
26. Tollage on rafts „	7-8-0	121-8-0	129-0-0
27.†Total tollage on boats per ton-mile ...	......	......	......
28. Ditto on rafts per 100 cubic feet ...	......	......	0-8-7

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	25,604	0	6
Total tollage of same month last year ...	29,017	1	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ..	569	8	1
2. Tollage per month ...	25,604	0	6
3. Total ...	26,173	8	7
4. Amount paid into Treasury during the month ...	23,432	8	0
5. Balance due at the end of the month ...	2,741	0	7

† Boats in these rivers do not pay per mile.

Abstract for the month of July 1888 *as compared with the corresponding month of the previous year.*

	1888-89. During the month.			1888-89. To end of the month.			1887-88. During the month.			1887-88. To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Tollage	25,604	0	6	43,740	5	8	29,017	1	6	58,595	1	9

CALCUTTA,
The 4th September 1888.

G. A. G. SHAWE.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing quantities of Goods carried during the month of July 1888.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons			Value.	Quantity.	Value	
		Up	Down	Total.	Rupees.	Tons.	Rupees.	
238	1. Grain ...	2,658	39	2,697	98,735	2,697	98,735	
......	2. Cotton ...	......	......	...	...	......	......	
2	3. Oilseeds ...	40	.....	40	3,300	40	3,300	
32	4. Salt ...		216	216	17,200	216	17,200	
10	5. Piece-goods ...	......	22	22	15,800	22	15,800	
......	6. Metal ...	......	......	......	......	.....	......	
3	7. Building materials	5	7	12	650	12	650	
594	8. Miscellaneous ...	29	391	420	49,363	420	49,363	
10	9. Fuel ...	79	16	95	728	95	728	
5 rafts	10. Timber ...	102 c. ft.	1,285 c. ft.	1,387 c. ft.	1,400	1,387 c. ft.	1,400	
3 "	11. Bamboos ...	50 "	400 "	450 "	35	450 "	35	
889 & 8 rafts.	12. Total ...	2,811 & 152 c. ft.	691 & 1,685 c. ft.	3,502 & 1,837 c. ft.	1,87,211	3,502 & 1,837 c. ft	1,87,211	
572 & 3 rafts	13. Total of same month last year	1,754 & 200 c. ft.	640 & 75 c. ft.	2,394 & 275 c. ft.	1,11,434	2,389 & 275 c. ft	1,10,484	

	Up	Down.	Total.
14. Total number of boats plying cargo No	399	490	889
15. Total number of boats plying passenger No.	83	74	157
16. Total registered tonnage, cargo Tons	5,778	4,377	10,155
17. Total registered tonnage, passenger Tons	1,863	1,678	3,541
18. Ton-mileage ..	2,00,398	1,60,116	3,60,514
19. Estimated value of cargo Rs.	1,00,576	85,200	1,85,776
20. Number of passengers No.	6,014	3,439	9,453
21. Rafts, bamboos C. ft.	50	400	450
22. Do., bullahs "	102	1,285	1,387
23. Estimated value of rafts Rs.	76	1,359	1,435
24. Tollage on boats "	3,524-2-0	2,794-4-6	6,318-6-6
25. Compounded tollage on boats Rs.	24-15-0	......	24-15-0
26. Tollage on rafts "	2-4-0	7-10-0	9-14-0
27. Total tollage on boats per ton-mile Pie	......	...	0-0-3 3
28. Total tollage on rafts per 100 cubic feet ...	......	.. ...	0-8-7

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	6,353	3	6
Total tollage of same month last year ...	2,529	11	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	3,315	14	0
2. Tollage per month ...	6,353	3	6
3. Total ...	9,669	1	6
4. Amount paid into treasury during the month	4,719	4	6
5. Balance due at the end of the month ...	4,949	13	0

Abstract for the month of July 1888 *as compared with the corresponding month of the previous year.*

	1888-89.		1887-88.	
	During the month.	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage	6,353 3 6	23,509 8 3	2,529 11 6	11,913 7 6

CALCUTTA,
The 4th September 1888.

G. A. G. SHAWE.
Under-Secretary to the Government of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

Calcutta and Eastern Canals.

Statement showing Quantities of Goods carried during the month of July 1888.

Number of boats or rafts.	Description.	Total Government and Private — Quantity—Tons. — Up.	Down.	Total.	Value. — Rupees.	Private. — Quantity. — Tons.	Value. — Rupees.	Remarks.
722	1. Grain ...	10,681	17	10,698	7,31,330	10,698	7,31,330	* For detail see next page.
3	2. Cotton ...	13	......	13	6,730	13	6,750	
96	3. Oilseeds ...	1 142	7	1,149	1.06,424	1,149	1,06,424	
233	4. Salt ...	518	2,967	3 485	3,29,316	3,485	3,29,316	
......	5. Piece-goods ...	......	......	......				
7	6. Metal ...	11	16	27	23,075	27	23 075	
170	7. Building materials	3,953	170	4,123	78,207	4,123	78,207	
1,448	8. Miscellaneous*...	5,002	409	5,411	7,05,964	5,411	7,05,964	
376	9. Fuel ...	8,572	744	9,316	74,893	9,316	74,893	
...	10. Timber ...	......	...	......	...	......		
8 rafts	11. Bamboos ...	2,000 c.ft.		2,000 c ft.	250	2,000 c ft	250	
3,055 & 8 rafts.	12. Total ...	29,892 & 2,000 c ft.	4,330	34,222 & 2,000 c.ft.	20,56,209	34,222 & 2,000 c.ft.	20,56,209	
2,754 & 1 raft.	13. Total of same month last year	27,447	5,552 & 2 No.	32,999 & 2 No.	19,69,340	32,999 & 2 No	19,69,340	

	Up.	Down	Total.
14. Total number of boats plying cargo No	2,763	292	3,055
14a. Ditto empty „	1,845	263	2,108
15. Total number of boats plying passenger No.	328	.....	328
16. Total registered tonnage, cargo Tons	94 332	11,264	105,596
17. Total registered tonnage, passenger Tons	907	......	907
18. Ton-mileage ...	785,355	112,640	897,995
19. Estimated value of cargo Rs	16,96,914	3,59,045	20,55,959
20. Number of passengers No.	1,316	......	1,316
21. Rafts, bamboos C. ft.	2,000		2,000
22. Do., bullahs „	......	......	
23. Estimated value of rafts Rs.	250	...	250
24. Tollage on boats „	19,081-4-9	2,670-12-0	21,752-0-9
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts „	3-13-0	......	3-13-0
27. Total tollage on boats per ton-mile ...	......	......	0-0-4 65
28. Ditto on rafts per 100 cubic feet ...	......	......	0-3-0

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	21,755	13	9
Total tollage of same month last year ...	20,438	0	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	755	4	9
2. Tollage per month ...	21,755	13	9
3. Total ...	22,511	2	6
4. Amount paid into treasury during the month ...	21,809	13	9
5. Balance due at the end of the month ...	701	4	9

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down	Total.	Rupees.	Tons.	Rupees.	
34	(a) Jute ...	561	......	561	58,958	561	58,958	
62	(b) Jaggery ...	602	......	602	71,612	602	71,612	
17	(c) Sugar ...	83	......	83	19,181	83	19,181	
1	(d) Tobacco ...	.....	11	11	2,400	11	2,400	
501	(e) Fish ...	97	......	97	27,219	97	27,219	
5	(f) Hides ...	18	......	18	4,050	18	4,050	
109	(g) Poultry ...	29	......	29	21,230	29	21,230	
40	(h) Hay and straw ...	327	......	327	6,864	327	6,864	
17	(j) Oils ...	.....	269	269	37,625	269	37,625	
37	(k) Earthenware ...	57	......	57	799	57	799	
625	(m) Other miscellaneous ...	3,228	129	3,357	4,56,026	3,357	4,56,026	
1,448	Total Miscellaneous...	5,002	409	5,411	7,05,964	5,411	7,05,964	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of July 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
1,526	1. Grain ...	10,868	1	10,869	7,47,727	10,869	7,47,727	* For detail see next page.
23	2. Cotton ...	148	......	148	74,430	148	74,430	
12	3. Oilseeds ...	48	......	48	4,425	48	4,425	
139	4. Salt ...	432	883	1,315	1,24,250	1,315	1,24,250	
......	5. Piece-goods ...	......	......	......	......	......	......	
......	6. Metal ...	......	......	......	......	......	......	
357	7. Building materials	3,463	......	3,463	20,777	3,463	20,777	
531	8. Miscellaneous* ...	2,383	64	2,447	3,13,383	2,447	3,13,383	
248	9. Fuel ...	3,064	......	3,064	23,385	3,064	23,385	
2 rafts.	10. Timber ...	440 c.ft.	......	440 c.ft.	1,100	440 c.ft.	1,100	
3 rafts.	11. Bamboos ...	200 „	......	200 „	25	200 „	25	
2,835 & 5 rafts.	12. Total ...	20,406 & 640 c.ft.	948	21,354 & 640 c.ft.	13,09,502	21,354 & 640 c.ft.	13,09,502	
3,146 & 7 rafts.	13. Total of same month last year ...	14,870 & 400 No.	727 & 12 No.	15,597 & 412 No.	9,05,448	15,597 & 412 No.	9,05,448	

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.	2,700	135	2,835
14a Ditto empty ... „	745	62	807
15. Total number of boats plying passenger ... No.	214	9	223
16. Total registered tonnage, cargo ... Tons	57,159	3,123	60,282
17. Total registered tonnage, passenger ... Tons	360	25	385
18. Ton-mileage	5,39,664	49,968	5,89,632
19. Estimated value of cargo Rs.	12,15,759	92,618	13,08,377
20. Number of passengers No.	1,416	44	1,460
21. Rafts, bamboos C. ft.	200	......	200
22. Do., bullahs ... „	440	......	440
23. Estimated value of rafts Rs.	1,125	......	1,125
24. Tollage on boats „	9,212-13-6	766-0-0	9,978-13-6
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts „	4-8-0	......	4-8-0
27. Total tollage on boats per ton-mile Pies	......	......	0-0-3·24
28. Ditto on rafts per 100 cubic feet	......	......	0-11-3

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	9,983	5	6
Total tollage of same month last year ...	8,477	4	9

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	263	0	0
2. Tollage per month ...	9,983	5	6
3. Total ...	10,246	5	6
4. Amount paid into treasury during the month ...	10,104	3	6
5. Balance due at the end of the month ...	142	2	0

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

TOLLY'S NULLAH.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
......	(*a*) Jute ...	......	......	......	......	......	......	
118	(*b*) Jaggery ...	761	5	766	91,205	766	91,205	
4	(*c*) Sugar ...	16	3	19	4,725	19	4,725	
21	(*d*) Tobacco ...	134	10	144	32,400	144	32,400	
43	(*e*) Fish ...	9	1	10	2,690	10	2,690	
......	(*f*) Hides ...	......	......	......	......	......	......	
......	(*g*) Poultry ...	......	......	......	......	......	......	
53	(*h*) Hay and straw...	191	......	191	4,014	191	4,014	
55	(*j*) Oils ...	611	16	627	87,875	627	87,875	
109	(*k*) Earthenware ...	157	3	160	22,231	160	22,231	
128	(*m*) Other miscellaneous ...	504	26	530	68,243	530	68,243	
531	Total Miscellaneous...	2,383	64	2,447	3,13,383	2,447	3,13,383	

ABSTRACT FOR THE MONTH OF JULY 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	Traffic, 1888-89.						Traffic, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals ...	21,755	13	9	88 212	11	0	20,438	0	6	83,674	15	3
Tolly's Nullah	9,983	5	6	37,193	12	0	8,477	4	9	32,536	9	0
Total ...	31,739	3	3	1,25,406	7	0	28,915	5	3	1,16,211	8	3

CALCUTTA,
The 4th Sept. 1888.

G. A. G. SHAWE
Under-Secretary to the Government of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 1st September 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 1st September 1888.			Week ending Saturday, the 3rd September 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	359	70,125	1,161	735	1,18,420	1,899
Jute	44	22,325	389	62	25,335	495
Firewood	114	44,300	660	128	63,510	936
Other articles	613	1,09,555	1,726	805	1,70,545	2,744
Total ...	1,130	2,46,305	3,936	1,730	3,77,810	6,074

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of June 1888 as compared with the same month of the previous year.

Staples.	1888. Up.	1888. Down.	1887. Up.	1887. Down.	Total. 1888.	Total. 1887.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	8,129	1,652	7,750	1,937	9,781	9,687	94	... ..
Cotton, raw	11	412	4	210	423	214	209	......
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	1,674	265	1,953	85	1,939	2,038	......	99
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	3,066	4,365	2,116	1,859	7,431	3,975	3,456	
5.—Others	1,289	4,677	1,157	6,667	5,966	7,824	......	1,858
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	9	400	7	568	409	575	.. ...	166
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	... ..	307	...	264	307	264	43	
b.—Unscrewed	4	2,505	1	3,556	2,509	3,557	...	1,048
2.—Gunny bags and cloth	201	1,003	163	1,000	1,204	1,163	41	... ..
Metals—								
1.—Copper, unwrought								
2.—Brass unwrought								
3.—Brass and copper, wrought	1,086	251	912	703	1,337	1,615	... ..	278
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	846	28	573	23	874	596	278	...
3.—Others	254	46	300	44	300	344	.....	44
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	268	2,513	447	3,644	2,781	4,091	... ..	1,310
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	72	270	63	122	342	185	157	...
3.—Others	415	1,023	292	773	1,438	1,065	373	
Railway plant and rolling-stock	1,912	1,047	2,680	1,340	2,959	4,020	..	1,061
Salt	6,837	63	5,569	42	6,900	5,611	1,289	...
Sugar—								
1.—Drained	656	925	392	831	1,581	1,223	358	.....
2.—Undrained								
Tea—								
1.—Foreign	1	1,850	1	1,091	1,851	1,092	759	... ..
2.—Indian								
Wood—								
1.—Timber	155	76	104	176	231	280	...	49
2.—Firewood	941	7	894	64	948	958		10
Tobacco	69	2,825	79	2,166	2,894	2,245	649	......
All other articles of merchandise—								
1.—Unmanufactured	4,082	1,457	1,907	3,001	5,539	4,908	541	......
2.—Manufactured								
Hay, straw, and wooloo (C. & S.-E. Sections)	822	1	531	. ...	823	531	292	. ..
Total ...	32,799	27,968	27,985	30,166	60,767	58,151	8,539	5,923

Comparative Statement of the principal commodities carried over the Eastern Bengal State Railway during the month of June 1888.

INCREASES. — Tons.

Coal 94

For Railway and Flotilla purposes.

Cotton, raw 209

Principally from Bogoola, Kissenganj, Rajbari, Goalando, Naraingunj, and Dacca.

Rice 3,456

Due to demand in Calcutta. The despatches are from the Eastern, Southern, Northern and Assam Behar sections

Kerosine oil 278

Increased requirement up-country.

Betelnuts 157

Principally from Dinagepur, Shampur, Domer, Kurigram and Parbatipur.

Other provisions 373

Increased demand.

Salt 1,289

Principally from Chitpore. For up-country consumption.

Sugar 358

Due to enquiry for shipment.

rincipally from stations on the northern section and Manihari ghât.

	Tons.
Tea	759
Due to a good crop, high prices in Calcutta, and to much of the tea formerly booked from Ghoom station on the Darjeeling Himalayan Railway having been brought down to Silliguri by the bullock train and booked thence.	
Tobacco	649
Principally from stations on the Northern and Assam-Behar sections.	
All other articles of merchandise	541
Due to increased requirement.	
Hay, straw, and wool	292
Principally from Hotor on the South-Eastern section.	

DECREASES.

Cotton piece-goods	99
Principally from Calcutta.	
Grains and pulses other than rice	1,858
Due to falling off in demand.	
Hides and skins	166
Principally from Dacca, Dinagepur and Silliguri; there was no demand during this month for cow-hides.	
Jute unscrewed	1,048
Demand from England limited principally from Narainganj, Serajganj and Mymensing.	
Metals	278
No demand.	
Seeds	1,310
No demand for shipment on account of home advices being lower than market rate.	
Railway plant and rolling-stock	1,061
Reduced requirement for purposes of construction and renewals.	

Increases and decreases on other items are small and due to ordinary fluctuations of traffic.

Calcutta, the 23*rd August* 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Bengal Central Railway.

Abstract of principal commodities carried over the Bengal Central Railway during the month of June 1888, as compared with the same month of the previous year.

Staples.	1888.		1887.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,204	12	1,037	.....	1,216	1,037	179	......
Cotton, raw	1	6	1	3	7	4	3	...
Cotton, twist and yarn— 1.—European; 2.—Indian; Cotton piece-goods— 1.—European— a.—In bales and bundles; b.—In boxes; 2.—Indian— a.—In bales and bundles; b.—In boxes	234	2	247	2	236	249	......	13
Grains— 2.—Rice	1	336	8	90	337	28	309	....
5.—Others	9	275	29	766	284	795	..	511
Hides and Skins— 1.—Hides of cattle— a.—Dressed; b.—Undressed; 2.—Skins of sheep, &c.— a.—Dressed; b.—Undressed; Horns	...	10	......	26	19	26	......	7
Jute— 1.—Raw— b.—Unscrewed	..	49	.....	345	49	345	..	296
2.—Gunny-bags and cloth	15	16	24	29	31	53		22
Metals— 1.—Copper, unwrought; 2.—Brass, unwrought; 3.—Brass and copper, wrought; 4.—Iron; 5.—Tin; 6.—Others	36	47	61	33	83	94	..	11
Oils— 2.—Kerosine	63		120	.. ..	63	120	..	66
3.—Others	84	1	140	..	85	140	..	55
Oilseeds— 1.—Linseed; 2.—Rape and mustard; 3.—Til or gingelly; 4.—Niger; 5.—Castor; 6.—Poppy; 7.—Others	142	649	194	535	791	729	62	....
Provisions— 2.—Betel-nuts		213	2	69	243	71	172	..
3.—Others	67	78	20	151	115	180	..	35
Railway plant and rolling-stock	68	37	508	379	103	885		782
Salt	306	4	205	9	310	214	96	..
Sugar— 1.—Drained; 2.—Undrained	12	804	28	681	816	709	107	.. ...
Wood— 1.—Timber; 2.—Firewood	36	2	58	21	38	79		41
Tobacco	29	25	36	12	54	18	6	.....
All other articles of merchandise— 1.—Unmanufactured; 2.—Manufactured	225	167	333	472	392	805	...	413
Total	2,530	2,772	3,067	3,553	5,302	6,620	934	2,252

Comparative Statement of the principal commodities carried over the Bengal Central Railway during the month of June 1888

INCREASES.

	Tons.
Coal	179
On account of Railway and Flotilla purposes.	
Grains (Rice)	309
A fair demand and steady market in Calcutta. The despatches were principally from Khoolna, Singhia and Gopalnagar.	
Oil seeds	62
Due to steady demand and firm prices.	
Betel-nuts	172
For exportation to Burmah principally from Bengal Central Flotilla Stations.	
Salt	96
Due to ordinary fluctuations.	
Sugar	107
Demand in the beginning of June for shipment Principally from Gobordanga, Jhikergacha and Singhia.	

DECREASES.

Grain other than wheat rice.	
Bogra and grain	511
Principally from Khoolna, due to Alaipur Canal being blocked.	
Jute unscrewed	296
Principally from Khoolna due to closure of Alaipur Canal.	
Railway plant and railway stock	782
Principally from Bongong and Khoolna owing to completion of construction works and reduced requirement for repairs and renewals.	
All other articles of merchandise	413
No demand.	

The increases and decreases under other heads are due to ordinary fluctuations of traffic.

CALCUTTA, *the 20th August* 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 25th August 1888, on 1,513¾ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	*211,282	*2,01,035 13 0	22,71,645 20	3,95,918 5 6	15,803 11 7	6,12,757 14 1	63,735½	69,045½	132,781
Or per mile of railway .	... ..	132 12 11	......	261 8 9	10 7 1	404 12 9	.....	......	.. ..
For previous 7 weeks of half-year	1,613,063	15,89,063 1 0	1,54,34,852 30	30,35,170 12 3	1,14,394 3 10	47,39,228 1 1	449,333	544,856	994,189
Total for 8 weeks ...	1,824,345	17,90,698 14 0	1,77,06,498 10	34,31,089 1 9	1,30,197 15 5	53,51,985 15 2	513,068½	613,901½	1,126,970
Comparison.									
Total for corresponding week of previous year	241,923	2,74,658 7 3	23,30,574 30	4,33,248 6 6	15,411 12 6	7,23,318 10 3	66,193	73,637	139,830
Per mile of railway corresponding week of previous year	......	180 13 1	.. ...	285 3 6	10 2 4	476 2 11	... ..	... ..	. ...
Total to corresponding date of previous year	2,023,667½	20,14,131 3 4	1,74,00,934 30	36 41,015 11 9	1,38,639 15 7	57,93,786 14 8	540,964	673,907	1,214,871

* The decrease in coaching traffic is partly due to bad weather, and to the receipts for the corresponding period of 1887 having included exceptional traffic on account of sun Eclipse.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888.			Total receipts from 1st April 1887 to 27th August 1887.			Total receipts from 1st April 1888 to 25th August 1888.			Total increase in 1888.	Total decrease in 1888
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	7,23,319	476	1,513¾	6,12,758	405	1,519	1,82,01,336	571	1,513¾	1,72,84,913	544	......	9,16,423

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 25th August 1888, on 57¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,209	4,307 8 0	18,396 20	1,141 15 0	27 0 0	5,476 7 0	1,747	1,164	2,911
Or per mile of railway .	161	75 4 11	321 30	19 15 5	0 7 6	95 11 10		... .	
For previous 7 weeks of half-year	67,466	31,211 5 0	2,32,924 0	16,511 1 0	191 6 0	47,943 12 0	11,954	4,888	16,842
Total for 8 weeks ...	76,675	35,518 13 0	2,51,320 20	17,654 0 0	218 6 0	53,420 3 0	13,701	6,052	19,753
Comparison.									
Total for corresponding week of previous year ..	11,962½	5,909 9 9	38,872 10	2,597 0 0	38 15 3	8,545 9 0	1,825	719	2,544
Per mile of railway corresponding week of previous year	209	103 5 0	679 30	45 6 5	0 10 11	149 6 4	......	......	.. .
Total to corresponding date of previous year	91,775	44,897 0 7	3,15,307 0	21,279 1 0	286 5 9	66,462 7 4	14,309	6,393	20,702

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888.			Total receipts from 1st April 1887 to 27th August 1887			Total receipts from 1st April 1888 to 25th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57¼	8,546	149	57¼	5,476	96	57¼	1,85,624	155	57¼	1,69,314	141	..	16,310

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 25th August 1888, on 12 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	2,881	468 2 0	4,513 20	120 9 0	6 0 0	594 11 0	400½	87	493½
Or per mile of railway .		39 0 2	.	10 0 9	0 8 0	49 8 11	..	......	......
For previous 7 weeks of half-year	21 110	3 579 7 0	50,278 10	1 280 2 0	66 13 0	4,926 6 0	2,738½	950	3,688½
Total for 8 weeks .	23 991	4 047 9 0	54,791 30	1,400 11 0	72 13 0	5,521 1 0	3,145	1,037	4,182
Comparison.									
Total for corresponding week of previous year	2 789½	462 6 5	9,854 30	170 10 0	2 8 0	641 10 5	399	94	493
Per mile of railway corresponding week of previous year		38 8 8	. .	14 11 6	0 3 4	53 7 6	...	......	......
Total to corresponding date of previous year .	25,129½	4,149 13 6	72,954 30	1,659 14 0	58 11 0	5,878 0 6	3,321	764	4,085

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No XXI, Railway, dated 23rd July 1883.

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888.			Total receipts from 1st April 1887 to 27th August 1887.			Total receipts from 1st April 1888 to 25th August 1888			Total increase in 1888	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs		Rs.	Rs.	Rs.	Rs.
12	642	53	12	595	50	12	20 479	81	12	21,360	85	881	...

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 25th August 1888, on 74½ miles open.

	Coaching Traffic		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried	Receipts.			Coaching.	Merchandise.	Total
		Rs. A P	Mds. s	Rs A. P	Rs. A. P.	Rs. A. P			
Total traffic for the week	4,860	3,029 7 0	73 061 30	1,469 6 0	109 9 0	4,668 6 0	620	732	1,352
Or per mile of railway	..	40 8 0		19 10 4	2 4 3	62 6 7	.. .	..	... .
For previous 7 weeks of half-year	31 096	21 389 3 0	5,37,501 10	19,867 13 0	767 1 0	42 024 1 0	4 594	8,398½	12 992½
Total for 8 weeks .	35 956	24,418 10 0	6 11 563 0	21,337 3 0	936 10 0	46,692 7 0	5,214	9,130½	14,344½
Comparison.									
Total for corresponding week of previous year .	5,385½	5,376 13 5	96,066 0	3,969 2 0	103 12 3	9,449 11 8	822	1,443	2,265
Per mile of railway corresponding week of previous year	.. ..	71 14 2	... .	53 1 0	1 6 2	126 5 4	... .	......	......
Total to corresponding date of previous year	40,942½	32,237 1 4	6,81,123 10	21,692 7 0	812 2 9	54,741 11 1	6,007	9,216	15,283

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888.			Total receipts from 1st April 1887 to 27th August 1887.			Total receipts from 1st April 1888 to 25th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	9,450	126	74½	4 668	62	74½	1,68,744	107	74½	1,52,287	97	......	16,457

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 25th August 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	13,024	3,235 8 0	2,768 20	80 9 0	5 10 0	3,321 11 0	936	32	968
Or per mile of railway ..	"	145 6 8	..	3 9 11	0 4 1	149 4 8	......	......	... ..
For previous 7 weeks of half-year ...	133,341	33,468 0 0	21,030 30	772 6 9	43 8 0	34,283 14 0	6,497	367	6,864
Total for 8 weeks ..	146,365	36,703 8 0	23,799 10	852 15 0	49 2 0	37,605 9 0	7,433	399	7,832
Comparison.									
Total for corresponding week of previous year ..	14,187	3,361 10 4	3,124 30	118 13 0	1 4 0	3,479 11 4	859	9	868
Per mile of railway corresponding week of previous year .	.....	151 1 4	...	5 4 0	0 0 11	156 6 3	.. .	......	... .
Total to corresponding date of previous year	139,201	33,223 11 0	30,408 20	1,154 15 0	41 0 3	34,419 10 3	7,842	374	8,216

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888.			Total receipts from 1st April 1887 to 27th August 1887.			Total receipts from 1st April 1888 to 25th August 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	3,480	156	22½	3,322	149	22½	1,11,490	239	22½	1,21,913	261	10,423	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 25th August 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week .	88,093	40,116 0 0	538,753 0	1,40,052 0 0	10,985 0 0	1,97,153 0 0	21,712	22,698	44,410
Or per mile of railway	131	60 0 0	801 0	217 0 0	†4 0 0	281 0 0	. .	. .	
For previous 7 weeks of half-year	838,466	3,57,182 0 0	3,339,599 0	7,72,206 0 0	88,425 0 0	12,17,813 0 0	152,360	146,137	298,497
Total for 8 weeks .	926,559	3,97,298 0 0	3,878,352 0	9,18,258 0 0	99,410 0 0	14,14,966 0 0	174,072	168,835	342,907
Comparison.									
Total for corresponding week of previous year .	99,554	42,982 0 0	*771,085 0	1,37,849 0 0	10,592 0 0	1,91,423 0 0	20,789	24,064	44,853
Per mile of railway corresponding period of previous year	154	[illegible] 0 0	1,196 0	214 0 0	†3 0 0	284 0 0	. ....	..	
Total to corresponding date of previous year .	940,850	3,97,504 0 0	4,172,371 0	8,05,224 0 0	93,909 0 0	12,96,727 0 0	170,287	164,235	334,522

* Included 290,000 maunds for ballast train.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888			Total receipts from 1st April 1887 to 27th August 1887.			Total receipts from 1st April 1888 to 25th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,91,423	297	672	1,97,153	293	645	31,43,781	223	674	*33,60,489	238	2,16,708	......

* Audited up to 30th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 25th August 1888, on 125 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts	Weight carried	Receipts			Coaching	Merchandise.	Total
		Rs A P	Mds s	Rs A P	Rs A. P	Rs. A. P.			
Total traffic for the week .	17,896	5,754 0 0	43,205 0	4 '61 0 0	50 0 0	10 065 0 0	3,812	1,860	5,672
Or per mile of railway	143	46 0 0	346 0	34 0 0	1 0 0	81 0 0			
For previous 7 weeks of half-year	170 408	53 419 0 0	2 34 252 0	18 144 0 0	532 0 0	72,095 0 0	26,779	13,053	39,832
Total for 8 weeks	188 304	59,173 0 0	2 77 547 0	22,405 0 0	582 0 0	82 160 0 0	30 591	14,913	45 504
COMPARISON									
Total for corresponding week of previous year	21,233	6 963 0 0	45 206 0	4,938 0 0	30 0 0	11,932 0 0	3,753	1,982	5,735
Per mile of railway corresponding period of previous year	170	56 0 0	362 0	39 0 0	.	95 0 0			. ..
Total to corresponding date of previous year	198 934	64,788 0 0	3,09 147 0	26 584 0 0	1 083 0 0	92,455 0 0	30,712	13,768	44,480

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 20th August 1887.			Receipts for week ending 27th August 1888			Total receipts from 1st April 1887 to 27th August 1887			Total receipts from 1st April 1888 to 27th August 1888			Total increase in 1888-89	Total decrease in 1888-89
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs	Rs		Rs	Rs		Rs	Rs.	Rs	Rs.
125	11,932	95	125	10 165	81	125	2 18 441	102	125	2 43,961*	93		24 480

* Audited up to 30th June 1888

DACCA STATE RAILWAY

Approximate Return of Traffic for week ended 25th August 1888, on 86 miles open

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried	Receipts			Coaching	Merchandise.	Total
		Rs A P	Mds s	Rs. A P	Rs A P	Rs A P			
Total traffic for the week ..	10 441	3 203 0 0	18 833 0	810 0 0	228 0 0	4 271 0 0	2 583	522	3,105
Or per mile of railway	121	37 0 0	219 0	10 0 0	3 0 0	50 0 0		.. .	
For previous 7 weeks of half-year	82,693	26 943 0 0	51 633 0	3,648 0 0	1 475 0 0	32 066 0 0	16,955	4,777	21,732
Total for 8 weeks .	93 134	30 146 0 0	70,466 0	4,488 0 0	1,703 0 0	36 337 0 0	19 538	5,299	24,837
COMPARISON.									
Total for corresponding week of previous year	10 004	3 175 0 0	8 869 0	767 0 0	140 0 0	4 082 0 0	2,639	325	2,964
Per mile of railway corresponding period of previous year	116	37 0 0	103 0	9 0 0	1 0 0	47 0 0			
Total to corresponding date of previous year ..	92 741	2 891 0 0	73,760 0	4 095 0 0	1 290 0 0	35,186 0 0	21,958	3,760	25,718

FINANCIAL YEAR

Approximate Statement of gross receipts of the Dacca State Railway

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888			Total receipts from 1st April 188 to 27th August 1887			Total receipts from 1st April 1888 to 25th August 1888.			Total increase in 1888-89	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked.	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs		Rs.	Rs.		Rs.	Rs	Rs.	Rs.
86	4,082	47	86	4,271	50	86	1 00,945	56	86	*1,01,202	56	257	

* Audited up to week ending 30th June 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 25th August 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,392	874 0 0	13,160 0	934 0 0	20 0 0	1,828 0 0	546	546	1,092
Or per mile of railway ...	61	22 0 0	337 0	24 0 0	1 0 0	47 0 0	......	......	......
For previous 7 weeks of half-year	20,064	6,375 0 0	1,32,975 0	9,756 0 0	155 0 0	16,286 0 0	3,822	3,822	7,644
Total for 8 weeks ...	22,456	7,249 0 0	1,46,135 0	10,690 0 0	175 0 0	18,114 0 0	4,368	4,368	8,736
Comparison.									
Total for corresponding week of previous year	2,550	917 0 0	4,059 0	383 0 0	84 0 0	1,384 0 0	546	546	1,092
Per mile of railway corresponding period of previous year...	65	24 0 0	104 0	10 0 0	2 0 0	36 0 0	......	......	......
Total to corresponding date of previous year	29,222	10,228 0 0	70,014 0	6,231 0 0	395 0 0	16,854 0 0	4,900	4,524	9,424

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888.			Total receipts from 1st April 1887 to 27th August 1887.			Total receipts from 1st April 1888 to 25th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	1,384	36	39	1,828	47	39	56,931	70	39	*62,151	76	5,220	......

* Audited up to week ending 30th June 1888.

NALHATI STATE RAILWAY

Approximate Return of Traffic for week ended 25th August 1888, on 27¼ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P	Rs. A. P.			
Total traffic for the week ...	3,073	1,059 0 0	10,788 0	670 0 0	12 0 0	1,741 0 0	509	254	763
Or per mile of railway	113	39 0 0	396 0	25 0 0	... ..	64 0 0	... ..	......	.. ..
For previous 7 weeks of half-year	19,355	7,171 0 0	59,664 0	3,823 0 0	59 0 0	11,053 0 0	3,563	1,832	
Total for 8 weeks ...	22,428	8,230 0 0	70,452 0	4,499 0 0	71 0 0	12,794 0 0	4,072	2,056	6,128
Comparison.									
Total for corresponding week of previous year	2,701	911 0 0	4,610 0	285 0 0	23 0 0	1,210 0 0	509	254	763
Per mile of railway corresponding week of previous year ...	99	33 0 0	169 0	11 0 0	1 0 0	45 0 0	.....		......
Total to corresponding date of previous year	26,349	9,902 0 0	70,609 0	4,591 0 0	209 0 0	14,002 0 0	4,254	2,668	6,922

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 27th August 1887.			Receipts for week ending 25th August 1888.			Total receipts from 1st April 1887 to 27th August 1887.			Total receipts from 1st April 1888 to 25th August 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	1,219	45	27¼	1,741	64	27¼	37,298	65	27¼	38,999	68	1,701	....

TIRHOOT STATE RAILWAY

Approximate Return of Traffic for the week ending 25th August 1888, *on* 259 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	33,223	10,638 0 0	1,09,131 0	7,972 0 0	2,420 0 0	21,030 0 0	4,567	4,639	9,206
Or per mile of railway	128	41 0 0	421 0	31 0 0	2 0 0	71 0 0*	..	...	....
For previous 7 weeks of half-year	243,140	77,520 0 0	9,58,073 0	73,717 0 0	17,597 0 0	1,68 834 0 0	38,620	34,842	73,462
Total for 8 weeks ...	276,363	88,158 0 0	10,67,194 0	81,089 0 0	20,017 0 0	1,89,864 0 0	43,187	39,481	82,668
Comparison.									
Total for corresponding week of previous year on 249 miles open	38,140	14,466 0 0	75,746 0	6,935 0 0	2,224 0 0	23,625 0 0	6,342	3,205	9,547
Per mile of railway corresponding week of previous year .	153	58 0 0	304 0	28 0 0	1 0 0	87 0 0*	......	......	.. ...
Total to corresponding date of previous year . ..	321,976	1,11,710 0 0	10,06,017 0	83,788 0 0	28,191 0 0	2,23,619 0 0	53,793	40,120	93,913

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."

Note.—Increase in passenger traffic in the corresponding week of previous year is due to return mela account of a solar eclipse.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 27th August 1887			Receipts for week ending 25th August 1888			Total receipts from 1st April 1887 to 27th August 1887.			Total receipts from 1st April 1888 to 25th August 1888			Total increase in 1888-89	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs	Rs		Rs.	Rs.		Rs.	Rs.		Rs	Rs.	Rs.	Rs.
249	23,625	95	259	21,030	81	249	678,072	130	259	6,83,519	120	4,547	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 18th August 1888	12.005
Corresponding week last year	9,066
Increase	2,939
Receipts from 1st July to 18th August 1888	72,911
From 1st July to 20th August 1887	62,755
Increase	10,156
	Miles.
Miles open week ending 18th August 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 18th August 1888...	235 6 3
Corresponding week last year	177 12 3
Increase	57 10 0

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RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE PRESIDENCY DIVISION FOR THE YEAR 1887-88.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 6th September 1888.

RESOLUTION.

READ—

The General Administration Report of the Presidency Division for the year 1887-88.

This excellent report is submitted by Mr. Smith, who was in charge of the Division throughout the year.

2. All the District and Sub-divisional Officers appear to have made a good use of their time in camp: their tours were properly planned and carried out.

3. The rainfall generally was somewhat deficient, but it fell opportunely. In the 24-Pergunnahs there was a good average harvest. In the Nuddea district the *aus* rice, indigo, and jute were all good and above the average. The outturn of the cold-weather crops was somewhat inferior in quantity, but in quality the produce more than made up for the loss. In Jessore the outturn was a little below and in Khulna above, the average. The cultivation of sugarcane in Jessore is increasing, as it is found to be a paying crop. In Moorshedabad the year was one of good harvest. The Commissioner reports that the mulberry crops of this district appeared good, and that, although the partial failure in cocoons must have affected the value of the crop, which occupies a part of almost every holding where cocoons are reared, no complaints were heard. Wherever mulberry lands come under re-settlement, high rates are asked and paid willingly, the profits to the cultivators being very great.

4. Taken as a whole, the year was healthier than its predecessors, and there is a remarkable decrease in the number of deaths from cholera in all the districts. There was also a conspicuous immunity from small-pox. In these respects the mortuary returns correspond with those in Calcutta itself, where there was less cholera than in any year on record, except 1880, and small-pox was almost entirely stamped out. There was, however, an increase in the mortality from fever in the 24-Pergunnahs and Moorshedabad districts.

5. In commenting on the material condition of the agricultural community, the Commissioner states that the upper class of tenants holding their lands directly from the zemindars are in easy and independent circumstances, and that the class of under-tenants, though paying comparatively high rates of rent, are still able, with ordinary care and thrift, to provide themselves with a sufficiency of food and other necessaries. In regard to the labouring classes, it appears that the demand for agricultural labour is, on the whole, equal to and in some seasons more than equal to the local supply. Village artisans as a body are as well off as those who cultivate their own lands: but there are cases of poverty among them, as in the weaver class, seldom to be met with among cultivators. The only help for these people is in factories, either in place of, or supplementary to, their home manufactures. In Moorshedabad it is proposed to hold an exhibition in the coming cold weather with the object of stimulating and, if possible, reviving in some measure the old indigenous arts and manufactures, which it is said are losing all distinctive excellence.

6 Prices of food were lower than for some years past, and the surplus for sale was larger than usual. Generally speaking the year was one of prosperity to all classes.

7. An interesting section of the report is devoted to manufactures and trade. There are 45 mills, factories, and presses at work in the 24-Pergunnahs district, exclusive of a number of jute screws, soorkee and flour mills, and castor oil presses, of which no statistics are available. The quantity of jute worked up in the jute mills was 90,329 tons, and the estimated value of the outturn 17 crores of rupees, against 76,800 tons and 13 crores, respectively, in the year preceding. There are four cotton mills which appear to have worked up 7,685 tons of cotton This shows a decrease of 645 tons on last year' but the value of the outturn is given as 56 lakhs of rupees—four lakhs more than that for last year A feature in the season is the reported increase in the export of Calcutta mills yarn to China Besides the large sugar mills at Cossipore, there are said to be 170 smaller factories in the district at which sugar is refined according to the native method, and where the outturn is estimated at only 10,800 maunds. In Jessore sugar is manufactured all over the district. There is one manufactory at Kotechandpore, where 14,833 maunds of refined sugar were produced. The manufacture of unrefined sugar or "dalua" is carried on at about 200 factories It is observed, however, that the industry has declined since foreign sugar has been brought into the market Besides sugar, a large quantity of goor or molasses is manufactured from date juice and a small quantity from sugarcane juice; the extension of sugarcane cultivation is to meet the increased demand for molasses and not for manufactured sugar. Indigo prospered during the year: the value of the outturn from the Nuddea district is estimated at Rs 9,08,288, from Jessore at Rs. 5,60,545, and from Moorshedabad at Rs. 8,43,515. In regard to the Nuddea district the Commissioner writes:—

> "It may be noted that Baboo Bipro Das Paul Chowdhry of Natudoho, by education an Engineer, a man of considerable means and intelligence, has opened a brass foundary at Mohesgunge, and it is said that the manufacture and trade in brass vessels are brisk."

The Lieutenant-Governor, who was already aware of this enterprise, trusts that it may meet with every success. The District of Nuddea is famous for its brass wares, which are largely exported to Calcutta and other places.

8. The excise revenue of the Division (which includes the Town of Calcutta) increased from Rs. 27,13,756 to Rs. 29,64,783. There was an increase in all the districts. The Stamp revenue increased from Rs. 37,80,348 to Rs. 38,25,837. It appears that the average rate of fine imposed per head in stamp cases was Rs 9 against Rs. 12 of the previous year, and the Lieutenant-Governor concurs with the Commissioner's observation that sufficient attention does not seem to have been paid to inflicting adequate punishments. The

income-tax collections amounted to Rs. 16,70,903. The land revenue collections show a decrease from Rs. 50,42,829 to Rs. 50,07,167. This is chiefly due to the payment of the demand of some estates by remittance transfer receipts, which could not be adjusted till after the close of the year.

9. The departments which, as a general rule, are under the control and administration of the Local Boards are the repairs of village roads, the repairs of unmetalled district roads, and the management of pounds. Regarding the work of the Local Self-Government Act in the 24-Pergunnahs district, the Commissioner observes "that the Local Boards at Baraset, Basirhat, and Diamond Harbour are presided over by non-official Chairmen, who seem to take proper interest in their work. The attendance at the District Board meetings was fair, and the members generally evinced an intelligent interest in the matters placed before them for consideration" Of Nuddea it is said—"On the whole, all the Local Boards in this district have worked well, and the members generally have taken a fair share of the work." The Magistrate of Jessore, Mr. Barrow, "does not think that the working of the Local Boards was carried on smoothly during the year, there having been constant friction with the officers of the various departments." In Khulna "the Local Boards showed great interest in the management of the matters placed under their control. The meetings were all very well attended, and the proceedings were conducted with intelligence and in a business-like manner." The Magistrate of Moorshedabad observes that "all the members of the Local Boards did not evince an equal interest in their work. Jungypore compares unfavourably with other sub-divisions. It failed to secure a quorum at four meetings." Summarising his remarks on this subject, Mr. Smith writes:—

"On the whole, it may be said that the system of Local Self-Government introduced a year-and-a-half ago has been working smoothly Mr. Barrow, however, does not think that the scheme has as yet been a success. It seems to me, however, that this result in Jessore is to some extent due to want of adequate attention to requirements on the part of Mr. Barrow as Chairman of the District Board. The friction to which he refers could have been averted by the timely preparation of rules regulating the relations between the various officers and bodies. Mr Barrow says, he himself in the light of the past now sees that he might have done more, and in that opinion I agree with him."

10. The following important remarks are recorded by Mr. Smith on the subject of municipalities:—

"The results of the late election, it may be noted, have been satisfactory in more ways than one. In the first place, there were unmistakeable signs of a growing desire among the population to elect better representative men in the proper sense of the word than formerly. The late elections were more numerously attended, and more hotly contested in most Municipalities than on the first occasion, and it is therefore hoped that the members of the new Boards having been chosen more on their own merits, will show a better disposition to work together for the public common good, and in a more temperate and conciliatory spirit than has hitherto in some instances been shown.

"In the second place, care was taken in the election of the Government nominees, with the result that not only are the Mahomedans better represented than formerly, and the important European manufacturing interests in several Municipalities in the neighbourhood of Calcutta, but a leaven of important, impartial, and influential Hindu members (men who stood aloof from the incidents of a contested election) has been secured to the different Boards.

"Notwithstanding occasional drawbacks, much good and useful work was done by the late Boards during the past year There has been a general desire among the Commissioners to do their best, and a willingness evinced to accept cheerfully the advice of the supervising authorities in respect of their budget allotments and other matters, while at the same time attention has been paid to the direction contained in the report of the official auditor, and fair progress made in bringing the registers and accounts into proper order."

11. The Lieutenant-Governor is glad to see the evidences which this report discloses of the mutual disposition on the part of the executive authorities and local bodies in this division to co-operate in the harmonious and beneficial working of Local Self-Government

12. Considerable progress was made in the new Railway from Ballygunge to the Kidderpore Docks, and a survey has now been completed of a line to connect this with the Petroleum Depôt at Budge-Budge. By these works a system of circular railways round Calcutta and the Suburbs will be completed. A short branch railway was also constructed from the eastern section of the Eastern Bengal State Railway to the Kakeenara mills, and a station has been opened at Kakeenara. In Jessore the extension of the

engal Central Railway to Narail is in contemplation. Nothing has been done . the proposed railway line from Ranaghat to Bhugwangola. The remarks the Commissioner on embankments and communications, and especially the observations on the dilapidated state of the Nalhati State Railway, will be ansmitted to the Public Works Department for consideration.

13. The statistics of education show a small increase, the number of apils rising from 194,449 to 198,400. The percentage of Mahomedan pupils high English schools is 7·3, and in lower primary schools 34·8. Until ie Mahomedan community take advantage to a larger extent of the facilities fforded for the higher English education, it is scarcely possible for Governient to meet their demand for a considerably larger share in public ppointments. The Commissioner observes in this report that the position in gard to the employment of Mahomedans remains practically unchanged, and iat he has nothing to add to the remarks made in his previous reports. [r. Smith will, however, see, from a Government Resolution on the subject which as been lately published, that this information is not considered sufficient, and iat, in accordance with the standing orders of Government, details should be irnished year by year.

14. The Commissioner observes that the relations between landlords nd tenants are generally satisfactory everywhere. The Collector of the 4-Pergunnahs makes favourable mention of Rani Rajkumari Dasi, Rajah ir Surendro Mohun Tagore, the late Baboo Sagur Dutt and Rajah Peary Iohun Mookerjee. In the Nuddea district it is mentioned that Baboo)ebendro Nath Tagore contributed Rs. 6,000 towards the construction of the chool and dispensary buildings in Kooshtea town. The name of Baboo Ram Chunder Mookerjee, Zemindar and Government Pleader, is also specially menioned as having distinguished himself throughout the year by a zealous ischarge of his duties as a zemindar, as Chairman of the Krishnaghur Muniipality, as Vice-Chairman of the District Board, and in numerous other public unctions. In the matter of the fishery question, all zemindars are said to have ehaved with consideration and forbearance, and it is stated that there have een no disturbances arising from fishing.

15. The Lieutenant-Governor has much pleasure in acknowledging the aluable services which have been rendered by Mr. Smith during the year in is able and successful administration of this important Division. His remarks n the conduct of subordinate officers will be communicated as usual to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL GENERAL ADMINISTRATION REPORT OF THE DACCA DIVISION FOR THE YEAR 1887-88.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 11th September 1888.

READ—

The Annual General Administration Report of the Dacca Division for the year 1887-88.

The report is submitted by Mr. Larminie, who was in charge of the division throughout the year, except for a period of three months, when Mr. Worsley officiated as Commissioner.

2. The tours made by the Commissioner, the District and Sub divisional Officers, were of sufficient length, and appear to have been useful and well planned. The Sub-divisional Officers of the Dacca district receive special commendation for the character of their work while in camp.

3. The rainfall was sufficient and fairly and suitably distributed throughout the year. As a consequence the crops, both rice, jute, and pulses, were good in every district. Prices were easy. It is noted by the Commissioner that rice sold cheaper in Dacca and Furreedpore than in the two great rice-growing districts of Backergunge and Mymensingh. This is a remarkable evidence of the facilities now afforded for communication, and of the manner in which the trade of the country is opening up It is but a few years ago that it was reported that in a season of bumper harvest the crops were left in many places to ripen and wither on the ground, while the peasants were left lamenting at the cheapness of grain The tendency now is towards a general equalisation of prices. In December 1867, when there was a favourable harvest, the average price of common rice in Mymensingh was 32 seers and in Backergunge 42 seers. The price in Calcutta at that time was between 24 and 30 seers per rupee. Twenty years later, in December 1887, when there was also a favourable harvest, the average price in Mymensingh was 21 seers 1 chittack, and in Backergunge 24 seers 1 chittack. In Calcutta the average price of rice of the same quality was 20 seers and 8 chittacks. Nothing could show more decisively than these figures the effect which has been produced by the development of trade, and the great increase of wealth which in consequence must have poured into the producing districts.

4. There is nothing to add to what has been said in previous years as to the material condition of the people. The agriculturists continue to be prosperous, and the artizans also are said to be well-to-do. The number of landless labourers is small, and a road cannot be made or a tank excavated without the aid of foreign labourers.

5. The section of the report on trade and commerce furnishes statistics of traffic in the principal articles of trade. The figures, however, do not seem to have been subjected to analysis and cannot be accepted as trustworthy. For instance, the Commissioner writes of Naraingunge:—"The trade of this rising mart expanded very considerably during the year under report, the imports having increased from Rs. 3,62,683 to Rs. 6,03,460, and the exports from Rs. 84,33,922 to Rs. 98,16,285." It is presumed that these figures relate to sea borne traffic only, and it is obvious that they very imperfectly represent the amount of trade carried on in one of the largest inland marts in the Lower Provinces. Naraingunge is the great emporium of trade for Eastern Bengal, as Serajgunge is of Northern Bengal and Patna of Behar; and a mere comparison of the figures quoted under exports with those quoted under imports is sufficient to show how imperfectly the latter represent the whole import traffic of the place. For purpose of comparison with the present figures, the Lieutenant Governor observes that in the year 1876-77, when special arrangements were sanctioned for the registration of inter-district traffic, the value

of exports from Naraingunge was registered at Rs. 95,77,200, and the value of imports at Rs. 1,53,81,100. The principal items were as follows:—

		Exports.	Imports.
		Rs.	Rs.
Raw cotton ...	...	3 15,000	12,21,000
European piece goods	..	7 61,000	32 47,200
Jute	...	47,82,900	38,84,400
Rice	...	13,84,000	11,57,800
Salt	...	6,79,500	18,43,500
Sugar	...	3 14,800	9,51,200
Tobacco	...	3,47,500	6,63,000

These figures afford some approximation of the trade of Naraingunge, but there is little doubt that they were an under statement at the time they were recorded, and it is certain that during the last eleven years the trade has considerably increased. Turning now to the trade and commerce of export districts, it is observed that in regard to the export rice trade from Backergunge the Commissioner writes:—

"Rice known as *balam* rice, for which this district is notable, is grown in bumper crops throughout the district, and is the most important article of export trade. With the reclamation of jungle or waste lands the production is increasing year by year. There was a heavy crop for the year under report, and in spite of the low prices in Calcutta exports increased in bulk, it is estimated to 26 lakhs of maunds, against 24 lakhs of the preceding year."

These figures appear also not to cover the whole ground. In 1876-77 the export of rice from the district was registered as 36,40,000 maunds. The imports in Calcutta from Backergunge have since been registered year by year, and in 1885-86 they amounted to 41,54,572 maunds, and in 1886-87 to 39,95,189 maunds. The figures given for the Mymensingh rice exports are admitted by the Commissioner to be not altogether reliable, but, "so far as can be made out from the sub divisional reports, the amount exported was about 2,22,150 maunds." This again is an obvious under estimate. In 1876-77 the registered exports were—rice 7,26,200 maunds, and paddy 12,12 800 maunds In other respects it is possible that the figures given in the Commissioner's report are more accurate than those which have now been examined; but if this should not prove to be so, and the local officers are not in a position to check the information acquired by them on the spot with the annual statistics of external trade which are published by Government, the Lieutenant-Governor considers that it would be better to altogether omit these statistics from future reports.

6. The current demand of land revenue in the division rose from Rs. 33,83,507 to Rs. 33,93,000, and the collections were on the whole satisfactory. The excise revenue showed a small increase of from Rs. 7,69,498 to Rs. 7,73,088. The outstill system was in force in all parts of the division excepting the town of Dacca and its neighbourhood. The receipts from ganja show a satisfactory increase with a reduced consumption. There was an increase in the stamp revenue from Rs. 22,73,726 to Rs. 23,93,220, and in income-tax from Rs. 2,39,983 to Rs. 2,85,569. In all respects the result of the revenue administration indicates the increasing prosperity of the people.

7. A marked feature of the Dacca Division is the institution of agricultural loan banks at various local centres These banks now exist in many districts of Bengal, and their number and importance show a satisfactory tendency to increase. In the Dacca Division there are now ten of such banks duly registered: two in Dacca, one in Furreedpore, one in Backergunge, and six in Mymensingh. Of these the Furreedpore Loan Office is the most successful. It is said to be in a flourishing condition and on a thoroughly sound basis

8. The traffic on the Dacca State Railway line shows an increase, the gross receipts during the year being Rs. 3,00,284 against Rs. 2,78,849 in the year preceding. The Collector of Mymensingh reports, however. that the goods traffic is not so satisfactory as might have been expected, and that country-boats still compete successfully in carrying jute from the district. The proposed extension of the Central Bengal Railway line from Jessore *viâ* Narail across the Mudhumuttee and thanas Muksudpore and Madaripore to Madaripore

will no doubt, the Magistrate states, be a very paying one, and will be a kind of chord line for East and South-East Bengal, and reduce the distances between Dacca and other places and Calcutta very considerably. As to the convenience of this line, the Lieutenant-Governor agrees with the Magistrate; but would hesitate to commit himself to an opinion as to the remunerative prospects of the proposed extension.

9. The school going population shows an increase from 213,096 to 244,776. It is satisfactory to notice that the increase is spread over all the classes of schools, and is apparently the result of general causes operating throughout the division. Of the total number of pupils on the rolls, 120,849, or 49·3 per cent., were Mahomedans. The percentage is 53·5 per cent. in lower primary and only 8 1 per cent. in higher English schools. The Commissioner observes: "The cause of this is not far to seek. The number of higher class Mahomedans is small in this division, and the number who care for higher education is therefore necessarily small." The number of Mahomedan officers in superior Government service is 644 to 2,759 Hindoos, showing a considerable increase during the year.

10 In Mymensingh, the District Board held its first meeting in October last, and the members have, it is stated, displayed very keen interest in their work. Mr Larminie writes: "The District and Local Boards have on the whole worked satisfactorily in the several districts and sub-divisions The district officers bear testimony to the zeal, interest, and activity shown by the members of the several Boards, and, as far as I can judge at present, I see no reason for differing from them" Regarding municipalities, Mr. Larminie says: "There are 16 municipalities in the division. Most of them are presided over by non-official Chairmen, and it is satisfactory to notice that the administration has not, on the whole, suffered much by the change In the smaller municipalities the change has on the whole worked as well as could be expected, but I am not prepared to pronounce an opinion in the case of the larger ones." The Dacca Municipality is not working well. The Lieutenant-Governor has had occasion in his tour at Dacca to warn the Commissioners against a factious partizanship of a purely personal character so dangerous to the welfare of Local Self-Government in this and every country.

11. The Lieutenant Governor is glad to see the favourable mention which is made of the work of the Honorary Magistrates in this division.

12. The Lieutenant-Governor has much pleasure in reproducing the following remarks recorded by Mr. Larminie on the conduct of certain zemindars:—

Nawab Sir Abdul Gunny, K C S.I., Nawab Ashanullah, Khan Bahadur, Rajah Rajendra Narayan Roy Bahadur of Dacca, and Rajah Surja Kanta Acharjya Bahadur of Mymensingh, continue to stand foremost among the zemindars in point of liberality and public spirit. The Nawab's liberality in giving Rs. 10,000 after the tornado of 7th April, 1888 for the relief of the sufferers, though he himself suffered the greatest damage and loss, is deserving of the very highest praise. In Mymensingh the new Town Hall, constructed by Rajah Surja Kanta Acharjya Bahadur, has been completed, and will shortly be opened. The liberal grant of Rs 50,000 made by him for some substantial improvement of the town of Mymensingh will, it is expected, be shortly utilised.

The example of the Nawab's contribution for the relief of the sufferers from the tornado, referred to above, was followed by Babus Rup Lal and Raghu Nath Dass, who subscribed Rs. 5 000; Babus Srinath Roy and Sonatan Dass, each of whom gave Rs. 1,000; and Babu Protap Chandra Banerjea, who gave a donation of Rs 500. The conduct of the other zemindars and landholders of Dacca is reported to have been generally good.

In Mymensingh, next to Rajah Surja Kanta Acharjya Bahadur, Srimati Bisvesvari Devi Chowdhurani of Gouripore deserves special mention. Her management of her zemindari has hitherto been good, and during the year she contributed liberally towards the construction of the Dacca Medical School.

13. The statement showing the character of officers employed in the Division will, as usual, be communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

DISTRESS IN KHOORDAH.

The following correspondence on the subject of the present distress in Khoordah is published for general information.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Govt. of Bengal.

Dated 11th September 1888.

No. 3066—119Fam., dated 10th December 1888.

From—H. J. S. Cotton, Esq., Offg. Secy. to the Govt. of Bengal,

To—The Secretary to the Government of India, Revenue and Agricultural Dept.

In continuation of my letter No. 2846—112Fam., dated the 22nd August, 1888, I am directed to forward, for the information of the Government of India, the accompanying copy of a letter from the Commissioner of Orissa, No. 1687R, dated the 28th August, 1887, and its enclosures, submitting a report for the fortnight ending the 15th August, 1888, on the present scarcity in Khoorda, together with a copy of the sketch map therewith received showing the areas affected.

2. Abundant rain has since fallen, and the Lieutenant-Governor trusts with the Commissioner that the most critical period has passed. It has, however, been reported that signs of distress have lately appeared in other parts of the Orissa Division, namely, in Banki and Angul, and in the Tributary State of Baramba. The Banki estate comprises an area of 116 square miles, but pressure is felt in 48 mouzahs only, covering an area of 44 square miles. The outturn of crops, during the years 1886 and 1887, in Banki, is stated to have been as follows:—

	1887.	1886.
	As.	As.
Sarad	12	6
Beali	8	10
Rabi	6	12

But in this tract also there has been heavy rain, and prospects may be expected to have improved. A special officer has been deputed by the Commissioner to make full enquiries, and his report is awaited. The available information regarding Angul and the Tributary State of Baramba is also incomplete. Up to the present time no other measures of relief than the sanction of Rs. 5,000 as tuccavi advances for both Angul and Banki, the distribution of charitable relief on a small scale, and the relaxation of the rules for the Angul Forests, so as to enable the people to gather forest produce for food, have been considered necessary. The Assistant Superintendent of the Tributary Mehals has visited Angul and will make a special enquiry and report regarding the condition of the people, the state of the crops and the sufficiency of the measures taken to relieve local distress. The Commissioner and the local officers seem fully prepared for any emergency, and their attitude of watchful preparation has the Lieutenant-Governor's entire confidence.

3. The Lieutenant-Governor approves of all the arrangements made in Khoorda, as described in the enclosures to the accompanying letter from the Commissioner. The grants applied for in paragraph 6 of the Commissioner's letter, viz. Rs. 15,000 for gratuitous relief, and an additional sum of Rs. 25,000 for loans under the Agriculturists' Loans Act, have been sanctioned. Notwithstanding the large grants which have been placed at the disposal of the local officers in Orissa, it is not expected that the total advances under the Agriculturists' Loans Act for the Province will exceed the limit of Rs. 1,50,000.

4. In regard to the deaths which have actually occurred from starvation, the details have to be gathered from the reports of the circle officers. These are given below—

"He (the officer in charge of the North-Eastern Circle) found that two deaths occurred in Ghatikea from starvation. I (Mr. Taylor, Sub-divisional Officer of Khoordah) also visited the village and made enquiries, and found that three deaths had occurred, but that they were *not entirely* due to want of food, though no doubt want of proper nourishment accelerated all these deaths which were of very old persons, two of whom were otherwise ill."

In the Rameswar circle, the officer in charge says :—

"The distress is greatest in zillah Rameswar, and two children died at Talpara, although relief had been given to them and more was promised."

"The suffering is greatest amongst the *Savars* and the *weavers*. Many of the people have been reduced so much in flesh that there is nothing but skin and bone left. One such woman died the day before yesterday (14th) in my presence, and near my bungalow, when coming to ask for relief. She came from zillah Khorda and was going to Chandpore to her father's house, the husband having failed to maintain her. She dropped on the way at night, and heavy showers of rain passed over her head, and in the morning, when she was discovered by me, life was all but extinct. No efforts could bring back life to her. There is no doubt that she died of the effects of cold and hunger. Her home was not in my circle. She was about 40 years old."

"Another such woman of Damonbhoi died in the woods while collecting tunga (*dioscorea*) roots *before* I came to Jankia."

5. On the subject of the collection of rents in Khoorda Mr. Taylor reports—

"63. About $\frac{9}{16}$ths of the rents for 1295 were collected before relief measures were undertaken. No pressure is now being put on ryots to pay up arrears due, and the collections are practically at a stand-still. The staff of process-serving peons, 40 men, permanent and temporary, are now being employed chiefly in connection with relief work."

In Angul a remission of rents for the year 1295, amounting to Rs. 4,917, has been sanctioned by Government.

6. Sir Steuart Bayley has instructed the Forest Department to co-operate with the district officials by a relaxation of the Forest Rules and the adoption of useful works within the forests in the Orissa Division, and orders have also been conveyed through the Public Works Department, to the Superintending Engineer of the Orissa Circle, for the commencement of thorough repairs to the Cuttack-Ganjam and the Cuttack-Pooree roads. His Honour has every expectation that the measures taken will be sufficient to meet the present crisis, and while he deeply regrets the occurrence of the few deaths from starvation reported by the Commissioner, he agrees with that officer in thinking that it is impossible to attach blame to any one for neglect of duty or for omission to take every precaution to prevent mortality. On the contrary, the Lieutenant-Governor is satisfied that everything within the power of the officials concerned has been done for the relief of distress.

No. 1687R, dated Cuttack, the 28th August 1888.

From—C. F. Worsley, Esq., Offg. Commissioner of the Orissa Division,

To—The Secretary to the Government of Bengal, Revenue Department.

In accordance with paragraph 9 of the Bengal Famine Code, I have the honour to submit copies of reports, noted in margin, from the Collector of Pooree and the Subdivisional Officer of Khoorda, giving necessary particulars regarding the Khoorda subdivision for the fortnight ending 15th August 1888. I also enclose a sketch map in duplicate.

Letter from Collector of Pooree, No. X, dated 24th August 1888.

Letter from Subdivisional Officer of Khoorda to Collector of Pooree, No. 481, dated 18th—23rd August 1888.

2. The information supplied by the local officers is both full and instructive. The general results of relief operations up to 15th instant have been as follow :—

(1) The total number of persons in need of assistance has been estimated after local enquiries at 50,288.

(2) The works taken in hand for the employment of labourers have been—

(*a*) The Ganjam road, throughout its total length in the subdivision, under the Public Works Department.

(*b*) Eight roads, aggregating 75 miles in length, under the District Board.

(*c*) Sixty-seven works, such as tanks, small embankments, and roads, at the cost of the Estates' Improvement Fund. Under this class Rs. 5,006 had been expended up to 15th instant.

(3) About Rs. 55,000 have been advanced to 17,521 persons under the Agricultural Loans Act.

(4) Seventeen thousand two hundred and twenty-seven persons, or a daily average number of 1,000 during 17 days, have received gratuitous relief at a total cost of Rs. 2,202-15-9.

3. Up to the date of his letter (24th instant) the Collector estimates the total expenditure (exclusive of amounts expended by the Public Works Department and the District Board) at about Rs. 75,000, under the following heads:—

	Rs.	A.	P.
Ten per cent. Fund works	9,052	7	5
Charitable relief (of which nearly one-fifth advanced for grain will be recovered)	7,000	0	0
Advances under the Agriculturists' Loans Act ...	60,518	8	0

4. I regret to say that a few deaths from starvation have occurred, but these could scarcely have been prevented under the circumstances mentioned in paragraph 6 of the Subdivisional Officer's letter. Mr. Taylor writes:—"The whole of the distress could not be reached within the time, partly owing to the supineness of the people themselves, who do not think much of a few deaths from starvation amongst their poorer neighbours, and partly owing to the fact that the greatest distress is amongst the Savars, who live apart from the rest of the population, sometimes in dense jungle, and who are a very retiring and shy race, who will die quietly in their homes without making any sign."

5. The Collector, Mr. Allen, who has visited the worst parts of the subdivision, *i.e.*, the north-eastern, north-western, and western circles, speaks very highly of the work done by the Subdivisional Officer and the Relief Inspectors, and reports that "not a single pice appears to have been wasted, and not a relief work has been opened unnecessarily or paid for at too high a rate." The correctness of this view is borne out by the fact that "whenever, owing to a good shower of rain, field work has been available, the labourers have deserted our works and resorted to their normal employments." I feel no doubt whatever that all officers, from the Collector downwards, have been animated by a loyal and zealous desire to do their duty and to avoid unnecessary expenditure.

6. Every endeavour will be made to restrict gratuitous relief operations as much as possible, now that employment in the fields is generally available and the most critical period has passed. I recommend, however, that the original estimate of Rs. 15,000 for gratuitous relief may be sanctioned, and that a further allotment of Rs. 25,000 (bringing up the total grant to Rs. 90,000—*vide* paragraph 65 of Mr. Taylor's letter) may be made for advances under the Agricultural Loans Act.

7. Though the prices of food-grains have not risen to what are called "famine prices," it appears that only small quantities of grain have been procurable at the prices quoted. Moreover, as Mr. Taylor remarks (paragraph 54), so long as the Savars, Bauris, and other penniless classes cannot get work or are unable to work, it matters not to them whether prices are high or low: without money it is just as impossible for them to buy food at the cheapest rates as it is to get food at famine rates.

8. So far as I can judge at present, the chief lesson to be learnt from the existing state of things is that, unless we adopt early and systematic measures for providing the aboriginal classes of Savars, Bauris, and others with lands, we may be liable during any rainy season to be called upon to relieve serious distress, if there be a long break in the rains and a stoppage of work in the fields. A similar difficulty has been experienced in the case of the Pans of Angul (who are just now hard pressed), and I have already, as Superintendent of the Tributary States, submitted a scheme for settling this caste in that district.

9. I cannot conclude this letter without expressing my grateful sense of the cordial support and encouragement which I and my subordinates have received from the Government since the first appearance of distress, and which has so largely contributed to the success of our operations.

No. X, dated Pooree, the 24th August 1888.

From—D. B. Allen, Esq., Deputy Collector of Pooree,
To—The Commissioner of the Orissa Division.

In accordance with chapter 1, paragraph 9 of the Famine Code, I have the honour to submit the following report for the fortnight ending the 15th instant, together with a copy of

Mr. Taylor's No. 481 of the 18th idem, which was received by me yesterday afternoon on my return from a short tour over the western circle of the subdivision.

2. I must preface my report with the remark that, as the present distress was confined to the limits of the Khoorda estate, I did not think it necessary to follow exactly the rules laid down in the Famine Code for the guidance of District Officers; because I considered that I was acting rather as a benevolent landlord, who was assisting his poorer tenants to tide over a period of sharp (but, as I trust, temporary) distress, than as a Government official dealing with a distressed area of the ordinary description. Still the Famine Code was from the first accepted as a most useful guide for our actions, and the instructions issued by me to the Circle Inspectors, of which a copy was sent to you with my No. C of the 8th instant, were based mainly on the rules of that Code.

3. *Famine Code*, 9 (1).—The area affected, and the approximate estimate of the portion of the population affected, and also the number of relief circles and of officers in charge, are given in paragraphs 3 and 4 of Mr. Taylor's report. From this it will be seen that out of a population of over 350,000 persons, about 50,000 are in need of assistance. In my No. B of the 29th ultimo, I estimated the numbers that would require relief, provided good rain did not fall during the first half of this month, at 86,000; but as good rain did fall all over the subdivision during that period, the estimate has happily been reduced, and the heavy rain which has fallen during the last few days all over the subdivision will still further reduce the numbers given by the Subdivisional Officer.

4. *Famine Code*, 9 (2).—The general state of the affected tracts, crop prospects, and rainfall, &c., are fully described in paragraphs 6, 14 to 19 and 56 of Mr. Taylor's report, and I concur generally in the views expressed by him. The public health is very fair. There are a few sporadic causes of cholera, and fever is about as prevalent as usual at this time of year, specially in the Banpur Circle.

5. *Famine Code*, 9 (3).—The number of public works open in or near the affected tracts may be divided into—

(*a*) Under the District Board.
(*b*) Under the Public Works Department.
(*c*) Those paid for from the management grant or 10 per cent. fund.

There are no works under special Government relief, municipal or private relief, or tuccavi agencies. As regards (*a*), the roads from Khoorda towards Patnaika for eight miles—

	Miles.
Khoorda to Kalapather	18
Bagmari to Bolegurh	16
Khoorda towards Pipli	7
Chandka to Saidenpur	14
Tikatal to Kaduaburuni	6
Bhalabanhat to Bengitongi	3
Kuradhamal to Kaipadar	3
Total	57

are under repair or in course of construction. The District Board at their last meeting on the 4th instant authorized me to spend Rs. 3,000 at discretion on additional works in the most distressed tracts, and the whole amount has been allotted by me and work commenced under the supervision of the District Engineer, Mr. Beale, who, I may say here, has been indefatigable in assisting me to see that labour is employed where most urgently required. As regards (*b*), I applied through you from the commencement of the distress to the Superintending Engineer, and he has had work going all along the Ganjam road, which traverses the whole subdivision, which has been of the greatest assistance in affording relief. Besides the work done on the Ganjam road, metalling has been, and is being, collected in the estate for a great portion of the Jagannath road.

As regards (*c*), the list of works is given in paragraph 80 of Mr. Taylor's report.

6. *Famine Code*, 9 (4).—As regards gratuitous relief, all the information available has been given from paragraphs 17 to 51 of Mr. Taylor's report. Though instructions were issued to all Circle Inspectors to keep separate accounts of men, women and children, yet some relief had been given before these instructions were received by them, and the result is that I have not obtained quite accurate information under this head from each circle. However, the following figures of relief given up to the 15th will prove of interest:—

	Men.	Women.	Children.	Total.		Rs.	A.	P.
North-east and North-west Circles ...	3,064	2,718	5,174	10,956	at total cost of	1,542	7	3
Rameswar Circles ...	......	......	......	2,155	ditto	1570	1	3
West Circle ...	......	......	......	3,041	ditto	403	5	3
Banpur Circle ..	......	......	......	1,075	ditto	86	4	0
Total number relieved			...	17,227	ditto	2,202	15	9

As this relief has been distributed during 17 days, the daily average number which have been relieved gratuitously may be taken at a thousand. It will be seen that most of the relief

has been given in the north-east and north-west circles, and next to these is the west circle. It is here that most distress has been felt. All these three circles have been thoroughly inspected by Mr. Taylor and myself, and we are satisfied that the Circle Inspectors have only distributed relief where it was urgently required. Indeed, Mr. Taylor is of opinion that the Circle Inspectors have been almost too strict in affording relief, and he has now repeated my instructions that small sums are to be entrusted with sarbarakars and other respectable persons, so as to ensure that relief is given whenever an emergency arises. The small portion of the estate outside the subdivision, and the adjoining tracts south of the Chilka, which are reported to be in distress, have been placed under the control of Baboo Benimadhub Mookerjia, Salt Inspector, and he has expended up to the 15th instant Rs. 8-4 in gratuitous relief, and Rs. 141 as payment for labour on two small works at Satpara and Nathapur. Salt storing and embankment work at Gorapur have also helped to provide employment in this area.

7. *Famine Code*, 9 (5).—The figures under this head cannot, as explained by the Subdivisional Officer be given in this report, but an attempt will be made to furnish these particulars in subsequent reports.

8. *Famine Code*, 9 (6).—Practically nothing has been done under this head, beyond providing a few distressed weavers with thread for making into cloth.

9. *Famine Code*, 9 (7).—As pointed out in paragraphs 53-55 of Mr. Taylor's report, there is ample grain in the district, and prices cannot be considered as famine rates, but there has been a strong tendency on the part of grain merchants to close their granaries in the hope of a further rise in prices, and this has resulted in limiting the available stock of grain in Khoorda. We have attempted to induce the holders of grain to keep their shops open, and some of the petty dealers have continued to sell all along at the market rates, but the larger mahajans refused to sell until the latter end of last week, when the prospects of the coming harvest became fairly assured. The Tehsildar, Baboo Bhagbat Mahanti, Roy Bahadur, who distinguished himself in the famine of 1866, has done excellent work by inducing the grain dealers to keep selling paddy, when their natural instincts were to close their shops. In fact, both in this and in other respects there would assuredly have been a panic, and consequently a far heavier expenditure on relief, were it not for the extraordinary *personal* influence of this man and Mr. Taylor, which has been freely exercised with the happiest results.

10. *Famine Code*, 9 (8).—An account of the expenditure has been submitted in paragraph 65 of Mr Taylor's report, but I give here the figures under the Famine Code headings A, B, and C.

A.—The original grant for the Pooree district was—

(*a*) Rs. 10,000 for advances under the Agriculturists' Loans Act.
(*b*) „ 1,200 for Act under the Land Improvement Act.
(*c*) „ 15,000 for works under the 10 per cent. fund.

Of (*a*) I originally allotted Rs. 5,000 in my No. 511 of 29th May, and then Rs. 4,000 in my No. 630 of 28th June. Then when money was urgently required I sanctioned Rs. 5,000, *i.e.*, Rs. 4,000 in excess of the allotment for this district, in my No. 650 of 6th July 1888 I requested you to obtain sanction for this excess of Rs. 4,000, but by some mistake the Board has sanctioned this expenditure under the Land Improvement Act, and not under the Agriculturists' Loans Act. This mistake should now be rectified. Subsequently, I sanctioned Rs. 11,000 more in my No. C of 30th July 1888. This has been confirmed by the Board. Again, a further sum of Rs. 20,000 has been sanctioned by you and the Board, as stated in your telegram of the 3rd August 1888, and finally another sum of Rs. 20,000 was sanctioned by you in your No. 1615R of the 18th instant. Thus the total amount sanctioned up to date is Rs. 65,000 including the Rs. 4,000 which are to be transferred from the Land Improvements to the Agriculturists' Loans Act. I may say here that in previous years it has been the custom to make advances to Khoorda ryots *without* interest, but from the commencement I insisted on interest being charged at 6¼ per cent. on every loan.

Under heading (*b*) nothing has been allotted to this subdivision, but about Rs. 675 has been expended this year on the Gorapur embankment, south of the Chilka, which was begun last year.

Under (*c*) I allotted Rs. 13,372 in my telegram of 10th July 1888, and in my No. B of 29th July 1888 I estimated for a further grant of Rs 15,000. This has been approved generally by Government in their No 2570-95Fam. of 6th instant, but up to date I have only given bills to Mr. Taylor for Rs. 15,000 under this head. For gratuitous relief I estimated in my No. B of 29th July 1888 that the sum required would be Rs. 15,000, and I have given Mr. Taylor Rs. 10,000 in two bills of Rs. 5,000 each on the 4th and 20th instant. I have also advanced Rs. 400 to the Salt Inspector at Satpara, which is to be expended partly on works and partly on gratuitous relief in that portion of the estate. Government has (except generally) only sanctioned Rs. 500 for gratuitous relief, and I now request sanction for Rs. 15,000, *i.e.*, for Rs. 10,000 already given to Mr. Taylor and Rs. 5,000 in case it should be required. I will utilize the Rs. 500 already sanctioned for relief administered through the Salt Inspector.

B.—As regards expenditure, Mr. Taylor's report does not show clearly how much has been actually spent up to the 15th instant, but from a statement prepared in his office I find that the expenditure up to date has been as follows :—

(*a*) Charitable relief by Subdivisional Officer Rs. 7,000, including Rs. 1,580 advanced for paddy and rice, most of which will be recovered. Of the Rs. 400 made over to the Salt Inspector, he had expended up to the 15th instant Rs. 141-7-8 on works and Rs. 8-4 on gratuitous relief, or a total amount of Rs. 149-11-8.

(b) Ten per cent. Fund expenditure and advanced by Subdivisional Officer Rs. 9,052-7-5.

(d) (2) *Tuccavi* :—

		Rs.	A.	P.
Paid on bills ...	...	54,689	0	0
Orders passed ...	...	5,829	8	0
Total	...	60,518	8	0

Thus the total expenditure up to date may be taken at about Rs. 75,000, exclusive of the amounts expended by the Department of Public Works and the Board.

C.—Balances of funds under each head :—

(a) Rupees 3,250-11-8, plus what will be recovered from Rs. 1,580 advanced for grain.

(b) ees 13,372, assuming that Rs. 15,000 will be sanctioned.

(d) „ 4,481-8.

11. I cannot close this report without drawing your attention to the really admirable work done by the Subdivisional Officer, the Tehsildar, and by all officers employed on relief. They have one and all worked not only zealously and indefatigably, but also judiciously and, in spite of considerable hardships and discomforts, uncomplainingly. Though Mr. Taylor and I have inspected a great deal of the work done by the Circle Inspectors of the west, north-west, and north-east circles, and have been kept informed by diaries and accounts of the work done in Rameswar and Banpur, we have not had occasion to find fault with the action of any one of them. Not a single pice appears to have been wasted, and not a relief work has been opened unnecessarily, or paid for at too high a rate. This is clear from the fact that whenever, owing to a good shower of rain, field work has been available, the labourers have deserted our works and resorted to their normal employments. In Satpara, the Salt Inspector cordially assented to devote the spare time of himself and his subordinates to administering relief operations when required south of the Chilka, and when I applied to Mr. Merriman, the Deputy Commissioner, for sanction to this proposal, he telegraphed his consent. Besides the regular famine staff, the Deputy Inspector and Sub-Inspector of Schools have given us useful information from time to time of cases of distress. The District Superintendent of Police has gone at my request to inspect the thanas and outposts east of the Chilka, though the camping there, owing to recent floods, must be extremely uncomfortable, in order to see whether any relief measures will be required in that part of this district. At head-quarters Babu Rajgopal Roy has cheerfully undertaken the extra work thrust upon him. At one time, owing to the illness of Baboo Manmohan Chakraverty, and the enforced absence of the Civil Surgeon on duty, he was for a few days in charge of the jail, treasury, and district office in addition to his ordinary duties. In order to relieve the salaried staff as much as possible, I have transferred a great deal of extra judicial and other work to the Bench of Honorary Magistrates, and they and the Vice-Chairman of the District Board have accepted the additional work put upon their shoulders without the faintest protest or complaint. Kumar Girindra Narayan Deb, who joined his appointment as Joint-Magistrate on the 8th instant, has been prevented by illness from doing a stroke of work up to date.

12. There is one more point that I hope I may refer to without being misunderstood or considered impertinent, and that is the assistance we have all received from your action throughout this crisis. When work failed and the granaries were closed, and we had to act promptly in order to save life, we were not embarrassed by calls for further information and detailed reports. All along you have been good enough not only to write, but to telegraph, your approval of our action, and your sanction of the extra expenditure that I thought right to incur. Instead of our action being paralyzed, as it might have been, by any less cordial and prompt recognition of the fact that we were doing our best to grapple with the difficulties of the situation that had been forced upon us, we were encouraged to proceed boldly and promptly along the course, which events have proved to have been the proper one to take.

13. As for myself, I have from the beginning recognized that in Mr. Taylor I had what the Lieutenant-Governor calls "an officer whose experience of the subdivision and knowledge of the people was altogether exceptional and unique." I have relied throughout on this fact. I have not myself distributed a single pice in gratuitous relief. I have not sanctioned the opening of a single work without previously consulting Mr. Taylor, and my tours of inspection have been made in directions suggested by him. I have contented myself with supporting his action, and I am perfectly satisfied with the result.

14. I enclose sketch maps and a rough map showing the areas and some of the villages visited by myself.

No. 481, dated Khoorda, the 18th August 1888.

From—W. C. Taylor, Esq., Subdivisional Officer, Khoorda,

To—The Collector of Pooree.

I have the honour to submit the following fortnightly report on the distress amongst the Savars, Bouries, and other poor classes of the Khoorda estate.

Chapter II, section 10, Famine Code.

2. As you are aware, the estate has been divided into five circles for relief purposes, viz.—

First—North-Eastern Circle,
Second—North-Western Circle,

in charge, respectively, of Baboo Nadia Chand Dutta and Munshi Dadar Baksh, Sub-Deputy Collectors, assisted by the canoongoes of Dandimal and Khoorda, Janardan Das and Netranand Patnaik.

Third—Western Circle, in charge of Baboo Bhagbat Nund, Temporary Sub-Deputy Collector, assisted by the canoongoe of Kuspalla and Punchgurh, Chintamoni Patnaik.

Fourth—Rameswar Circle, in charge of Baboo Gagan Chunder Dass, Deputy Magistrate, assisted by the canoongo of Rameswar, Banamber Das.

Fifth—Banpore Circle, in charge of Baboo Darpanaryan Das, Income Tax Assessor and Excise Inspector, assisted by the canoongo of Banpur, Ras Behari Patnaik.

The Inspector of Police, Baboo Heralal Mookerjee, is also visiting villages and giving relief in the western circle.

The circles have been made to coincide with the chaklas of the five canoongoes of Khoorda, who have been placed in direct communication with the inspecting officers, to whom their local knowledge and influence have been of the greatest assistance.

Chapter I, sections II and III of the Famine Code.

3. The following table shows the zillahs, areas, number of villages, and the population of each circle:—

Circle.	Zillahs.	Number of villages	Population.	Area in square miles.	Remarks.
I	Dandimal	215	60878	202·84	In these circles the Savars, Bouris, and weavers are in the greatest distress.
II	Khoorda	102	30,503	78·67	Other classes in much less difficulty.
	Tapang	77	30,059	51·09	Crops at present safe, owing to good rain from 5th to 15th August, excepting on high lands of zillah Khoorda.
	Haldia	5	3,021	7·74	
	Total for Circles I & II	399	124,461	340·34	

The trunk road from Cuttack to Ganjam divides the above into the north-eastern and north-western circles. As separate details of areas and population for each circle are not at present available, I have given for the two circles together:—

Circle.	Zillahs.	Number of villages.	Population.	Area in square miles.	Remarks.
III	Kuspalla	116	27,131	68·42	In more than half villages of this circle the rice crop has been almost entirely destroyed by want of rain and root disease.
	Manikagora	68	13,975	35·21	
	Panchgurh	118	20,993	4·63	
	Total ...	302	62,099	108·26	
IV	Rameswar	276	65,464	163 20	There has been good rain in the greater part of this circle, and the crops were in most villages for the present safe.
	Kuburi	113	19,384	69·81	
	Balabhadrapur ...	64	11,917	37·77	
	Magalbundi	5	1,367	1·83	
	Total ...	458	98,132	272·61	
V	Banpur	307	56,872	139·00	Good rain and crops in fair condition.
	Mals	52	2,270	92·89	
	Total ...	359	59,142	231·89	

4. The following statement showing for each circle an estimate in detail of the numbers of the different classes of the people in Khoorda who are in great distress, will prove useful, in order to enable the Government to judge of the extent of relief at present necessary and as showing where relief is most required.

Statement No. I.

Estimate of the numbers of different classes in Khoorda who are in great distress, amounting to about 50,000, out of a total population now estimated at over 350,000 persons.

number.	Name of circle officer.	Name of zillah.							...ra (1/4 of population).	Pan (1/3 of population).					...castes.		Remarks.
	Munshi Badar Baksh, North-Western Circle, and Baboo Nadia Chand Datta, North-Eastern Circle.	Khoorda ...			1,406			134	18	19	648	193	734		1,113	7,206	Good rain in August and the crops now safe for the present, excepting on the higher lands of zillah Khoorda, for which the rains have been insufficient.
		Dandimal ...		267	3,738			156		84	063	220	111		2,407	12,316	
		Haldia ...			52			40		45	18	50			132	497	
		Tapang 1/3			218					22	156				698	1,518	
		Total	7,003	267	5,414				124	170	1,485	463	870	136	4,348	21,559	
III	Baboo Bhagbat Nund, Western Circle.	Kushpalla...						122		41	723	107	312		1,068	5,516	No good rain in this circle to the 15th, and crops almost passed hope.
		Manikagora						108		60	414	107	32		538	2,867	
		Panchgurh						140		95	042	198	579		846	2,986	
		Total			75			370	158	196	1,779	412	923		2,452	11,369	
IV	Baboo Gagan Chandra Das, Rameshwar Circle.	Rameswar ...	1,258		238			155			1,198	209	351		1,876	5,379	Good rain over the greater part of this circle in August, and the crops for the present safe, excepting some villages along the boundary of Runpur tributary estate.
		Kuhuri ...			30		71	98			43	153	124		897	1,513	
		Balbhadrapur ...			254			17					12		561	916	
		Mogulbundi ...			30			.....			10		15		60	158	
		Ikhrajat Rameswar.	290		140			26			124		108		1,061	1,880	
		Ikrajat Tapang 1/3	362		218			32			156		25		693	1,518	
		Total	1,008		910	54	71	328	178	89	1,540	427	635		5,168	11,308	
	Baboo Darpa Narayan Das, Banpur Circle.	Banpur			880	31		277	49	280	462	297	242		2,575	5,093	Good rain in August, and distress limited to a few villages.
		Mals					927	2		19	15				16	979	
		Total					927	279	49	299	477	297	242		2,591	6,072	
		GRAND TOTAL	14,820	267	7,270		998	1,339	504	754	5,281	1,599	2,670	136	14,556	50,238	

The above figures are from the settlement records, which give the total population of the estate as 343,834; but the population is no doubt now in excess of 350,000 persons.

5. Three copies of sketch map, prepared in this office from the recent cadastral surveys of the estate, are submitted herewith, as required in section III of the Code.

6. In your No. B of the 29th July to the Commissioner, paragraph 15, you pointed out that about one-fourth of the population (86,000) required help—

First in gratuitous relief. | Second in tuccavi.
Third in works.

The estimate, though of course a rough one, was not excessive.

You estimated that if rain did not fall within the first half of August, about 21,500 persons would probably require gratuitous relief at about 12 annas each, equal to Rs. 16,125, and Rs. 15,000 was asked for under this head.

Happily good rain has fallen in the south, the centre, and the north over the greater part of the estate, commencing on the 4th August in Banpur and on the 5th at Khoorda and Chandka.

This rain has been followed by two other good falls, and many almost daily smaller showers, and has *taken off a great deal* of the pressure, by giving much work in the fields to those *who can work*, by giving heart to the cultivators, and to some extent by unlocking the stores of grain which exist in all parts of Khoorda. We have therefore been able to do with much less for gratuitous relief than was estimated, and only Rs. 2,600 was spent under this head up to the 15th, about 16,516 persons having been temporarily relieved. But the whole of the distress could not be reached within the time, partly owing to the supineness of the people themselves, who do not think much of a few deaths from starvation amongst their poorer neighbours, and partly owing to the fact that the greatest distress is amongst the Savars, who live apart from the rest of the population, sometimes in dense jungle, and who are a very retiring and shy race, who will die quietly in their homes without making any sign.

7. The provisions of chapter I, section 4, have been so far as possible attended to, and nominal rolls for each village have been prepared of the persons who have received or are receiving gratuitous relief.

8. The cry for work was also of course greatly reduced by the good rain, which enabled the cultivators to go on with puddling, weeding, and transplanting of the rice crop, with jungle clearances for Taila cultivation, repairs of bunds and ridges, and other agricultural operations, but still there was a considerable number who could not find work in the fields, partly due to the fact that owing to their weakly and reduced physique cultivators would not employ them. For all these we have found employment in the numerous small works of estate improvement, which the funds in hand have enabled us to start.

9. So far it has not been found necessary to spend any *relief money* on such works, which are being carried on entirely from the funds allotted by the Board of Revenue from the management grant.

The Famine Code, chapter III, is not therefore, applicable in respect of the petty estate improvement works at present in progress, but returns have been called for, and in some cases have been obtained, of the number of persons employed on the several khas mehal works of improvement. The Public Works Department and District Board and Forest Department should be asked for figures for the works going on in their departments. It will not be possible, however, to get correct figures, as the persons employed vary to some extent from day to day, and a good deal of the work is paid for on measurements.

We have endeavoured to open these works in all neighbourhoods where there was much distress: they are all works of *bonâ fide* improvement, such as roads, bundhs, and tanks for irrigation of rice lands, and the like.

Chapter I, section 9 (c), Famine Code.

10. The grant of Rs. 45,000 tuccavi has all been taken up at 6¼ per cent. interest by the cultivating classes with the greatest eagerness on allotments made by me of generally less than half of what was applied for.

I have since applied for Rs. 20,000 more, and have with your approval, and in anticipation of sanction, already advanced Rs. 9,772 on applications for Rs. 22,780.

11. This tuccavi has proved a great boon, and cultivators are everywhere busy, where possible, in puddling, weeding or transplanting paddy, cultivating *mandia*, and preparing to sow *til* (*rasi*) and other staples.

12. I shall probably require about Rs. 25,000 more than has yet been applied for, for advances under the Agriculturists Loans Act, and I take this opportunity of asking for sanction to the disbursement of Rs. 25,000 over and above the Rs. 65,000 already sanctioned or applied for.

13. The number of cultivators helped in the way of tuccavi advances under the Agriculturists Loans Act is about 17,521, besides many thousands who have been benefited by the actual recipients of advances employing them as labourers.

14. Owing to the very dry season the crop of wild *swan* grass (Panicum Freementacum) has been an extraordinarily heavy one, and thousands of the poorer people have for the past month been subsisting almost entirely on swan rice (which has a high food value), and on wild roots of the several species of disscorea (yams) found in our jungles, leaves of the young cassia tora plants used as a pot herb, and wild berries and fruit gathered in the forests.

15. The distress and actual want of sufficient food has so far been confined chiefly to the *Savars*, *Bouris* and other *landless classes*, who subsist entirely on wages of labour and on what they can gather in the jungles.

16. Owing to the want of rains in all June and the greater part of July, work in the fields was at a standstill, prices of food-grains rose owing to panic, and holders having locked up their stores the landless classes, always in more or less distress during the stock seasons, began to starve to death, and hundreds would undoubtedly have died had we not started relief operations at once. As it is, I regret to say that some few cases of death from starvation have been reported and found to have actually occurred, whilst thousands of men, women and children have been reduced to mere skeletons. I fear that many deaths due *more* or *less* to starvation may have occurred, and which have not been brought to our notice. A few deaths have also occurred after food was provided, the sufferers being too far injured by previous starvation to admit of their recovery.

17. *For the North-East Circle.*—Baboo Nadia Chand Dutt reports as follows:—

He has visited 82 villages, relieved 771 adult males, 395 females and 636 children, or 1,802 persons, to whom he gave Rs. 306-2-6 in gratuitous relief. Detailed diaries and lists of persons relieved have been submitted.

18. Baboo Nadia Chand Dutt found that the distress was chiefly amongst the *Savars* and *Bouris* with a few of other classes.

That the greatest distress was in mouzahs Ghatikea, Burmunda and Nayapali in the centre of zillah Daudimul and close to Khandgiri.

He found that two deaths occurred in Ghatikea from starvation. I also visited the village and made enquiries, and found that three deaths had occurred, but that they were *not entirely* due to want of food, though no doubt want of proper nourishment accelerated all these deaths which were of very old persons, two of whom were otherwise ill.

19. Thirty-one works of improvement for supplying work to those who required it were opened up to the 15th in the north-east circle, and a sum of Rs. 2,135 advanced from the Improvement Fund, in most cases by myself. Work is going on at all these 31 places, of which three are roads, aggregating about 10 miles in length.

Section 9, clauses 3 and 5, chapter I, Famine Code.

20. I have not yet received figures to show the actual number who have found work at the different places, but as all the works are within easy reach of distressed villages and well attended, the number must be very considerable, probably not less than 5,000 different persons—all, however, males, as no women in Khoorda, excepting the *Matias* will do earthwork, although all the poor class women will work in the field or husk rice, sell firewood, fish, rice and mushroom, &c.

Section 9, clause 3 (5), Famine Code.

21. The trunk road to Ganjam, for about 35 miles, also borders the north-east circle and separates it from the south-west circle, and some metalling and repairs have been in progress for the whole length under the Public Works Department during the 15 days under report. Many persons have therefore found work also on this road.

22. The rainfall commencing on the 5th, and continued since then to date, has also afforded an enormous amount of work in the fields to men, women and children.

Section 9, clause 2, Famine Code.

23. I made a tour of 12 days from the 3rd to 14th August in the *Dandimal*, parts of *north-east* and *north-west circles*, and my head-quarters are in the circles. I have myself seen seven or eight thousands of the most distressed persons—men, women and children—of the north-east and north-west circles, and I found that they were mostly *Savars*, Souri, Khandayets and Bauris, with a sprinkling of other castes, nearly all labourers or persons of other classes, who have been reduced to extreme poverty from causes other than want of work.

24. I have myself distributed temporary relief to 1,929 men, 1,893 women and 3,731 children, all in a more or less starving condition. Many would actually have died shortly if they had not been relieved. Rupees 918-13-6 was expended by me in these two circles on gratuitous relief.

25. Baboo Nadia Chand Dutt has also got judicial and other subdivisional work to do.

26. *Munshi Dadar Baksh*, who has also sub-treasury, judicial, and much other work to do, reports for the *North-West Circle*, which comprises the parts of zillahs Dandimal and Khordah, north-west of the Ganjam Trunk Road, and the small Khandaeti mehal, zillah Haldia—

North-West Circle.

(1) That he has visited 69 villages.

(2) Has given Rs. 317-7-3 as gratuitious relief to 364 males, 430 females, and 807 children—total 1,601 persons, in these villages. Work has been started or continued in twenty places on roads and bandhs for irrigation, for which Rs. 1,091 has been advanced during the fortnight. Some of the works in the North-East Circle are available also for persons from the North-West Circle.

Some of the relief given by me was also to persons belonging to this circle.

The Collector, Mr. Allen, and I also visited several villages in this circle, and inspected the crops, state of the people, and some of the works in progress.

Rameswar Circle.

27. Baboo *Gagan Chundra Das*, in charge of the *Rameswar Circle*, reports—

(1) That he has relieved about 2,155 persons, little and big, and expended Rs. 170-15-3 on gratuitous relief, only giving small amounts to each recipient with the intention of repeating his doles. "That the distress in zillah Rameswar is on the increase, in spite of the rainfall; for although there is more field work now, yet those who have suffered from starvation meet with no favour from the employers and are not employed, and they grow worse and worse: I wish to *open relief* works *for them*.

"The relief work should continue in these parts till the paddy crop of the current season is gathered.

"As a lot of mandia has been grown in many parts of Rameswar, it may be possible to close operations before the paddy is gathered, if the mandia crops is abundant.

"There was rainfall near Jankia on the 1st and 2nd August, and very heavy rain on 4th and 5th almost all over the zillah Rameswar, and on 7th and 8th over zillah Kuhun, at Siko on 15th, and also every day there was more or less rain. Everywhere there is now (16th) plenty of water in the fields. The distress is greatest in zillah Rameswar, and two children died at Talpara, although relief had been given to them and more was promised.

"I find a general practice amongst the suffering people to keep an adult member strong by giving him sufficient food that he may be able to earn something, and they starve others, particularly the children.

"The suffering is greatest amongst the *Savars* and the *weavers*. Many of the people have been reduced so much in flesh that there is nothing but skin and bone left. One such woman died the day before yesterday (14th) in my presence, and near my bungalow, when coming to ask for relief She came from zillah Khordah and was going to Chandpore to her father's house, the husband having failed to maintain her. She dropped on the way at night, and heavy showers of rain passed over her head, and in the morning, when she was discovered by me, life was all but extinct. No efforts could bring back life to her. There is no doubt that she died of the effects of cold and hunger. Her home was not in my circle. She was about 40 years old.

"Another such woman of Damonbhoi died in the woods while collecting tunga *(dios corea)* roots *before* I came to Jankia.

Zillah Kuhun is, I think, safe. They had rainfall early in July from Barpokhuria (52nd mile) in Rameswar to Sonakhola (62nd mile of Ganjam road) in zillah Banpore; so I have heard, and I think it is true, as puddling and even weeding have been done in the fields.

"They had plenty of labour on the Madras Trunk Road."

28. I have extracted largely from Baboo Gagan Chundra Das' report, as I have not been able personally to visit his circle as yet. It is clear that great distress still prevails in the large and populous zillah of Rameswar, and the Baboo has been enjoined to be more liberal with his gratuitous relief, and to entrust small sums to respectable and trustworthy surbarakars, for immediate and urgent relief in their villages, and at the same time to start works of improvements, to give work where not easily available at present.

29. I have had three rather large works in progress for some time in this zillah, and they have afforded work to a large number of persons.

One is a road from Jankia to Chhangiri, about three miles.

The second a road from Barpokhuria to Bhusandpore about three miles in progress.

The third a large dam with channels for irrigation in the Bannsjori on the boundary of Banpore in Gurssiko and Nalsingh.

I do not myself think that the distress in zillah Rameswar is at present on the increase, but Baboo Gagan Chundra Das was, when he first arrived, inclined to doubt the existence of any very severe distress.

He is now thoroughly convinced, and the more he sees of it, the more the distress appears to him to be.

I hope in a day or two to visit his circle myself.

Western Circle.

30. Baboo Bhagbat Nand, Inspector for the *Western Circle*, reports, dated the 17th instant, that he has visited 93 villages and has found that the rice crops in two-thirds of the villages have been greatly damaged by *mooli* or root disease. That even if copious rains fall till harvest time, not more than $\frac{8}{16}$ths of an average crop can be expected.

31 That planting out afresh must be largely resorted to, but that unfortunately the ryots of Panchgarh and Manikagarah have not put down sufficient dhan in seed beds, for the large areas to be planted out.

32. That in most of the remaining villages of his circle, the rice crops have been or are about to be puddled from the late rain, or from water obtained from bandhs and tanks constructed or repaired by Government or the ryots themselves.

33. That if rainfall is favourable hereafter *up to the end of October*, 12 to 16 annas outturn of the paddy crop may be expected in one-third of the villages of his circle.

34. Regarding the condition of the people, the Baboo finds that $\frac{12}{16}$ths are more or less in want of food, half of them or $\frac{6}{16}$ths have some property. Of the remaining $\frac{6}{16}$ths, one-fourth or $\frac{1.5}{16}$ths of the whole population will require gratuitous relief and $\frac{4.5}{16}$ ths work, until the early Laghu rice is harvested.

35. The Baboo had distributed Rs. 255-7-6 in gratuitous relief from the 3rd to 15th August to 1,919 men, women, and children.

36. The canoongoe Chintamony Patnaik had separately visited 22 villages, and relieved 468 persons at a cost of Rs. 105.

Western Circle.

37. *Baboo Hira Lall Mukherjee*, Inspector of Police, also visited 23 villages and relieved 654 persons.

38. Detailed accounts and lists have been submitted.

39. In nine places works are now in progress from the Improvement Fund, four of the works being roads, one of which is six miles in length.

40. The District Board also have some work in hand on the road from Baghmari to Kalapathur, nine miles, Baghmari to Belgarh, 16 miles, and are about to spend Rs. 3,000 on roads in the Western Circle.

41. Details of the men, women, and children employed in five of the smaller works were obtained, and show that 2,193 men, 10 women, 243 boys, and 6 girls, in all 2,452 persons, obtained work.

On the larger roads, for which no details have come in, the numbers employed are greater.

42. I am more anxious about the Western Circle than any other part of Khordah, as the state of the crops over a considerable portion of the circle is very bad, and the circle adjoins killah Khandpara, where there has been loss of crops this year, and for the last two or three years. Killah Nayagarh, where there will also, I believe, be distress, adjoins Panchgarh, and a portion of Banki in Cuttack, where the crops suffered somewhat last season, and have again suffered for want of rain this year, runs with part of Manikagarah and Kuspallah.

43. You have now gone out in person to see parts of the Western Circle and will be able to judge for yourself.

Banpore Circle.

44. As reported on the 17th instant by *Baboo Darpanarayan Das* for the *Banpore Circle*, it appears that, owing to failure of early rains, there was somewhat of a *scare*, and the mahajans withheld their usual advances of grain to the poorer ryots who, owing to bad crops in parts of the zillahs last year, had not been able to repay the previous advances received by them. He says: "A great many had, therefore, to subsist on *suan* and *chakunda sag*, &c.,

"There has now been sufficient rain here, and the apprehension of scarcity of food-grains has disappeared. The ryots are now getting paddy from their mahajans. *It is the landless ryots only* that have not been able to procure paddy, but most of them have now got labour in the field, excepting those who are physically unfit. *These men will require looking after until they are fit for work*; but amongst them there are very few persons who appear to be permanently invalided on account of age and sickness and (these) require gratuitous relief."

45. These remarks are made by the Inspector with reference to the sub-divisions of Banpore called Simas *Sonakhola, Nimuna, Panchpalli* and *Chhatragur*, where for several years running there has been a loss of crops from drought.

46. In the Champajhar, Champagur, Bhatpara, Kanthimal, and Naini Simas of Banpore, where last year crops were good, no relief is necessary at present.

47. Speaking of the condition of the distressed people of Banpore, the Inspector says: "No one appears to have been reduced to a skeleton, but scarcity of food has been felt by them more or less", and he proposes to carry on a few petty works which, with the work under the Public Works Department on the Trunk Road, will provide sufficient employment for those in need of it.

48. Rice now sells in the Banpore Circle at 13 and dhan at 34, moong at 17, kalai at 14, and mandia at 24 Cuttack seers of 105 tolas per rupee.

49. It is evident that the distress towards Banpore is much less pronounced than in other parts of Khoorda but *there are no Savar, in Banpore.* There are some Bawries, Pans,

Khands, and Santias, but they do not appear to have been so much affected as the Savars and Bawries further north.

50. The villages of Simas Sonakhola, Nimuna, and Panchpali must, however, be carefully looked after, for after heavy losses of crops for three years running any stoppage of rain or damage to the crops on the ground would at once cause a panic, and throw the poorer ryots of these parts into serious difficulty.

51. The Inspector of Banpore had only been a week in the circle, and may yet come on more serious distress.

He had visited only 20 villages, and had given only Rs. 864-4 to 1,075 persons.

52. I hope to visit Banpore myself after the close of this month.

53. The following is a list of prices at present obtaining separately for each circle of food-grains in seers of 80 tolas per rupee.

		Rice.	Kalai.	Salt.	Moong.
North-East and North-West Circle.	Reported by Canoongoe of Bhubneswar and by police, &c.	$14\frac{7}{16}$	$17\frac{1}{16}$	8	$15\frac{12}{16}$
	Do. Khoordah, Do. and Do., &c.	$14\frac{7}{16}$	$17\frac{1}{16}$	8	$18\frac{6}{16}$
Western Circle	Do. by Kuspala Do. and Do., &c. ...	$14\frac{7}{16}$	17	8	$18\frac{6}{16}$
Rameswar Circle	Do. by Rameswar, Do. and Do., &c. ...	$13\frac{2}{16}$	...	7	15¼
Banpore circle	Do. by Banpore, Do. and Do., &c. ...	$15\frac{12}{16}$	$18\frac{6}{16}$	7	$22\frac{5}{16}$

The prices as shown above are not what are called famine prices, but food-grains are still to a great extent withheld from the market, and only small quantities are really procurable at the prices quoted.

54. With reference to the Savars, Bawries, and other penniless classes, I beg to point out that so long as they cannot get work, or are unable to work, it matters not to them, whether prices are high or low: without money it is just as impossible for them to buy food at cheapest rate as it is to get food at famine rates. Taking this view of the state of things, the prices of food-grains cannot show the amount of distress prevailing amongst the poor.

55. There is no doubt at present there are ample stocks of dhan and other food-grains in Khordah, and if the season continues favourable, and the prospects of crops improve, this grain will be freely sold for cash or given out in loans to such of the people as have land, crop, or other security to offer. But if the crop on the ground should fail, and as soon as it shows signs of serious failure, all this grain will be locked up, and the poorer members of the cultivating community and others, and the Savars, Bawries, and other landless and penniless classes, will at once begin to starve, and extensive measures for famine relief must be taken.

56. The following is a statement of the rainfall at Banpore in the south, at the head-quarters Khordah, and at Chandka in the north of the estate:—

Rainfall at Khoordah.

Date of the month.	June 1888.	July 1888.	August 1888.	Remarks.
1st	0·32	0·11	0·01	
2nd	......	......	0·05	
3rd	......	......	......	
4th	......	0·10	......	
5th	......	......	1·78	
6th	0·06	0·15	0·53	
7th	0·20	......	......	
8th	......	0·87	0·05	
9th	0·63	0·06	0·31	
10th	0·86	......	1·68	
11th	......	......	0·35	
12th	0·05	0·01	0·05	
13th	......	0·87	......	
14th	0·07	0·17	1·47	
15th	0·05	0·57	0·53	
16th	......	......	......	
17th	......	0·06	......	
18th	......	1·20	......	
19th	0·18	0·20	......	
20th	......	0·15	......	
21st	......	0·57	......	
22nd	0·10	0·98	......	
23rd	......	0·30	......	
24th	0·01	0·52	......	
25th	0·01	......	......	
26th	......	0·50	......	
27th	0·10	......	......	
28th	0·85	......	......	
29th	0·04	......	......	
30th	0·12	0·25	......	
31st	......	......	......	
Total ...	3·65	7·64	6·85*	* For 15 days only.
Average of 16 years ...	9·34	13·12	12·19†	† Per month.

Rainfall at Banpur.

Date of the Month.	June 1888.	July 1888.	August 1888.	Remarks.
1st	0·13	0·14	0·20	
2nd	......	......	......	
3rd	......	......	0·04	
4th	0·50	......	2·44	
5th	......	0·10	1·54	
6th	0·20	1·00	......	
7th	1·14	......	0·20	
8th	......	0 25	0 12	
9th	0·16	...	......	
10th	0·50	......	1·10	
11th	0·18	......	......	
12th	......	1 30	0·04	
13th	......	......	0.65	
14th	...	......	0 52	
15th	......	......	0·30	
16th	......	......	......	
17th	......	0·50	......	
18th	......	0·70	......	
19th	......	0 15	......	
20th	......	0·20	......	
21st	......	......	......	
22nd	......	0·56	......	
23rd	......	1·06	......	
24th	......	......	......	
25th	0 14	...	......	
26th	......	......	......	
27th	......	......	......	
28th	......	......	......	
29th	0·20	......	......	
30th	......	......	......	
31st	......	......	......	
Total ...	3·15	5·96	7·15*	* For 15 days only per month.
Average for six years ...	5·26	11·08	11·21	

Rainfall at Chandka.

Date of the Month.	June 1888.	July 1888.	August 1888.	Remarks.
1st ...	......	0·30	......	
2nd ...	......	......	......	
3rd ...	......	0·10	......	
4th ...	......	......	0 75	
5th ...	0 35	......	1·55	
6th ...	......	0·30	0 10	
7th ...	......	......	3 40	
8th ...	0·55	0·25	0·40	
9th ...	......	......	0·70	
10th ...	......	0·20	1 80	
11th ...	1·20	......	0·30	
12th ...	......	0·15	......	
13th ...	0·50	......	1·70	
14th ..	......	0·20	0·80	
15th ...	0·30	......	0·10	
16th ...	......	......	......	
17th ...	......	0 50	......	
18th ...	......	1·90	......	
19th ...	0·25	......	......	
20th ...	......	......	......	
21st ...	......	......	......	
22nd ...	......	0·20	......	
23rd ...	......	......	......	
24th ...	......	......	......	
25th ...	......	0·10	......	
26th ...	......	......	......	
27th ...	......	0·25	......	
28th ...	......	......	......	
29th ...	......	......	......	
30th ...	0·50	......	......	
31st ...	......	0·10	......	
Total ...	3·65	4·55	11·60*	* For 15 days.
Average ...		Not known.		

Chapter II, section 21.
Chapter IX, section 121.

57. The sarbarakars of villages have been utilized to prepare lists of the distressed inhabitants of their villages, and in many cases have been supplied with small sums of money for emergent relief until the circle officers can visit their villages. Sarbarakars have also in many cases been placed in charge of the small works of improvement started in their *ilaquas*, and are held responsible for duly reporting all cases of severe distress and deaths from starvation. These sarbarakars are *ex-officio* patwaries or village accountants, and as Government servants, are bound to assist in all measures of relief, &c.

Chapter V, Famine Code.

58. Small sums have in some cases being given as gratuitous relief under sections 82, 85, 86, and 89, Chapter V of the Code.

Chapter IV.

59. No poor houses or children's kitchens have as yet been opened, and I trust that they will not be required.

Chapter VI

60. No special measures have as yet been found necessary for the protection of cattle.

Chapter VII

61. The police of thannahs and outposts have reported distress and cases of deaths from starvation occurring in their jurisdictions.

Chapter XI.

62. Accounts are being kept of all payments made on account of gratuitous relief works, purchase of dhans, tools, &c., &c.

63. About $\frac{8}{16}$ths of the rents for 1295 were collected before relief measures were undertaken. No pressure is now being put on ryots to pay up arrears due, and the collections are practically at a standstill. The staff of process-serving peons, 40 men, permanent and temporary, are now being employed chiefly in connection with relief work, and I trust that for the present I may be allowed so to utilize them when necessary, and that a strict account may not be required of the number of processes served, miles travelled, &c.

64. The Sub-Deputy Collectors are employed as circle officers; and as they have constantly to travel from village to village at their own expense and often by palki, the regular travelling allowance of four annas for every mile travelled over 15 miles is quite insufficient. Until further orders, and from the 20th July last, the usual travelling allowance for second class officers, 4 annas a mile when more than 20 miles is travelled, or Rs. 3 a day, should be granted to them; otherwise the pay of these officers, Rs. 100 a month, will hardly cover the costs they are put to for travelling.

65. Referring to paragraph 4 of the Government letter No. 257—95 Famine of the 6th instant, I give the following memorandum of expenditure sanctioned and proposed.

The Collector, in his No. B of the 29th ultimo, applied as follows:—

		Rs
(1)	For gratuitous relief	15,000(*a*)
(2)	For work of improvement from the management grant	15,000(*b*)
	Previously allotted from the management fund ...	13,372(*c*)
	Total	43,372
(3)	For tuccavi advances	22,000(*d*)
	Ditto previously sanctioned by the Board of Revenue	14,000(*e*)
		36,000
	The Commissioner has since sanctioned for tuccavi	9,000(*f*)
	And the Collector has since sanctioned also for tuccavi	20,000(*g*)
	Required in this letter	25,000(*h*)

Total rupees ninety thousand required for advances under the Agriculturists' Loans Act, bearing interest at 6¼ per cent., or about one-fourth of the mofussil jama of the estate.

Items (*a*), (*b*), (*c*) appear to be sanctioned under the Government letter above referred to, but the Board's allotment of Rs. 15,000 (*b*) has not yet been received. (*a*) Rs. 15,000 for work and (*b*) + (*c*) Rs. 28,372 for petty works will, I think, suffice for our requirements, unless the state of crops should take a more seriously unfavourable turn.

(*d*) + (*e*) Rs. 36,000 have been allotted by the Board and approved in Mr. Cotton's letter, but I have as yet received no sanction of the Board for (*f*) and (*g*) authorised by the Commissioner and Collector and already nearly expended.

(I.) Formal sanction is therefore required for (*f*) and (*g*) Rs. 29,000 and for Rs. 25,000 now asked for—total Rs. 54,000 for advances under the Agriculturists' Loans Act at 6¼ per cent. interest in addition to the Rs. 36,000 already sanctioned by the Board of Revenue.

(II.) The favourable consideration and orders of His Honour the Lieutenant-Governor are also solicited on the subject of the increased travelling allowance for circle officers recommended by me in paragraph 64 of this report.

66. One reason why the Savars and Bauries have been so much reduced is that under the rules passed by Government on the 24th March 1886, they have been to some extent precluded from taking and selling minor forest produce, such as firewood, brambles, leaves, creepers, wild yams, fruits, and vegetables from the forests.

67. From the reserves which are very extensive in zillah Dandimal, but less so in zillah Khorda, the poorer classes have been almost entirely excluded, and in the protected areas which comprise every inch of jungle or waste land on the estate, they have been a good deal hindered in taking what they required by the forest guards, paiks, and watchmen who doubtless have harassed the poorer classes a great deal.

68. For the last year *Savar* and *Bauri* women have been almost entirely prevented under the rules from carrying about bundles of firewood, &c., for sale in the villages on the estate.

As this was almost their only work during the slack season, and as work in the fields during June and July was stopped for want of rain, the poorer classes were reduced suddenly to a state of actual starvation.

69. The protected forests were, however, thrown entirely open by Mr. Richardson under the Commissioner's orders to the Savars, Bauries. and other poor in the middle of July, and they have also been allowed to take dry wood, creepers for building, yams. berries and vegetables from some of the reserves, and this has assisted them to a considerable extent.

70. For the future, the Forest Rules must be made easier for the poorer classes of Khorda, and this can, I think, be done without any material loss of forest revenue.

71. Had there been a Sub-Assistant or Assistant Conservator in charge of the Khorda forests for the last year, I do not think that such serious distress amongst the Savars and Bauries would have occurred.

72. As it is, since Mr. Wylly and Mr. Quinnell have been transferred, there has been no one on the spot to look after forest matters in Khorda, and the Deputy Conservator can only afford to pay the estate occasional and limited visits, and has certainly no time to look into details to watch the effect of the rules on the people, or to see that they are carried out in a reasonable manner.

73. A Forest officer on the spot could do a great deal towards making matters easier for the poorer classes, and at the same time he would be able to improve the forests and increase the forest revenue.

74. The Taila rules have never been enforced very strictly, and since the chances of distress came to my notice, every restriction has been removed and taila allowed freely on all waste lands not covered with good jungle. A very large area has in consequence been sown or planted with *mandia* (*Eleusine corocana* and *Eleusire stricta*), and cotton clearings have also been made and waste lands ploughed for til (*Sessasmum*), urrar, kulthi, and other products. Baiguns also have been largely planted out, and are now coming into the market; cucumbers and gourds of sorts have also been extensively cultivated, and the mandia crop will soon be ripe.

75. Another reason why the Savars have suffered more severely than any other class is that, like nearly all wild races, the men are idle, and do not like really hard work of any sort. They depend to a great extent on their women to support them and their children by working in the fields, picking and selling firewood, and the like.

76. The men of the Savar tribe will cut jungle, dig up yams, and collect honey, but they object to digging up the roots of jungle as work too hard for them. They object to earthwork for the same reason, whilst the women, following the example of all other women in Khorda, will not do earthwork. The men have the greatest objection to go out in rainy weather.

The Savar men and women will do such light work as weeding, herding cattle, and collecting berries from the forest.

77. The Bauries are a much more industrious race, and both sexes will work hard—the men at quarrying stone, carrying palkies, and bhangies; and field work of all sorts; the women at field work, husking rice, collecting and selling firewood, and other products of the forest.

The Bauries have therefore suffered much less severely than the Savars, though they too are generally without any good lands of their own.

78. The weavers have been, as elsewhere in India, reduced to poverty by Manchester piece-goods, and are in times of scarcity some of the first to suffer.

79. The chasas, or cultivators of Khorda, are generally industrious, and have, on the whole, come pretty well out of this trouble so far. A few families only comparatively have suffered severely, as have a few families of the superior castes—Brahmans, Mahanties, Kambhors, Telies, and others, including Mahomedans and Native Christians.

80. The following is a list of improvement works started since the 20th July in order to give employment to the distressed classes :—

List of Improvement Works opened or continued throughout the Khorda Sub-division during the period between the 20th July and the 15th August 1888.

Number and name of circle.		Names of works opened or continued.	Amount expended from 20th July to 15th August 1888.
			Rs.
Circle—No. I.—South-East Circle.	1.	Excavation of tank called Bourigaria in Jamkholi in Dandimal ...	50
	2.	Ditto of Potapokhari in ditto ...	50
	3.	Ditto of Brajabashigaria in ditto ...	50
	4.	Construction of road from Gangpura to Jaula in Jamkhoi in Dandimal	275
	5.	Ditto ditto ditto ditto ditto ...	75
	6.	Excavation of Khudpur tank in Khoorda	150
	7.	Ditto of Sahaspur ditto	100
	8.	Ditto of Kanhaitara tank in Kholaduar in Khorda ...	100
	9.	Ditto of Nua tank in Deuliapatana in Dandimal... ...	100
	10.	Construction of Kukuraghai road in ditto	60
	11.	Excavation of Siripur tank in ditto	100
	12.	Repair of Asroypur Kia Nala in Asroypur in ditto	60
	13.	Excavation of tank in ditto ditto	50
	14.	Ditto of Budheswar tank in Ohatabar in Dandimal ...	150
	15.	Ditto of Horichandan tank in Jajharsingh in Khorda ...	50
	16.	Construction of a road from Bhaliabari Hât to Kanjiagur in Khorda	100
	17.	Ditto ditto from Bargar to Nakhisagar in Dandimal ...	100
	18.	Ditto of Ghatikia Ghaguri Bandh in ditto ...	50
	19.	Ditto of Kumfulia Bandh in Modnapur in ditto ...	50
	20.	Ditto of Kamalbandh in Darutheng in ditto ...	5
	21.	Ditto of Chandaman ditto in ditto ...	30
	22.	Ditto of Sarada Bandh in ditto ...	15
	23.	Ditto of Firifira Bandh in ditto ...	10
	24.	Ditto of Sukjori Bandh in Shamsundarpur in ditto ...	25
	25.	Ditto of Pathani Bandh in Chandka ditto ...	20
	26.	Ditto of Hinjala Bandh in Sundarpur ditto ...	10
	27.	Repair of Sapua Sohara Nala in Jughgar ditto ...	10
	28.	Construction of Gur Bhanga Bandh in Ghangapatana in ditto ...	25
	29.	Ditto of village road of mouzah Andharna in ditto ...	10
	30.	Ditto of Hordisohara Bandh in ditto ditto ...	20
	31.	Ditto of road from Khandgiri to Kasipur in ditto ...	75
	32.	Ditto of Panditakhunti Bandh in Daspur in ditto ...	40
	33.	Ditto of Palas Daha Bandh in Nayapali in ditto ...	50
	34.	Ditto of Pathurgaria Bandh called Dasa Mana in ditto ...	25
	35.	Ditto of Gurguri Bandh in Ransingpur ditto ...	20
	36.	Ditto of Gaidnada Bandh in Pathurgaria in ditto ...	25
		Total	...2,185
Circle—No. II.—North-West Circle.	1.	Construction of Mangalpur road in Mangalpur in Dandimal ...	300
	2.	Ditto of road from Arang to Mohal in ditto	200
	3.	Ditto of Dhudhua Bandh in Mukandprasad in Khorda ...	63
	4.	Excavation of Panbaraj Heriagoria tank in ditto ...	75
	5.	Ditto of Narindra tank in Tartno in ditto ...	50
	6.	Ditto of Mangraj tank in Panbaraj in ditto ...	20
	7.	Construction of road from Tangiapara to Kundilo in ditto ...	80
	8.	Repair of Boliarsingh Bandh in Mangalpur in Dandimal ...	50
	9.	Excavation of Paikchua tank in Jamjhari in ditto ...	50
	10.	Construction of road from Panbaraj to Bengi-Tangi in Khorda ...	50
	11.	Ditto of Katkhuntia Bandh in Paniora in Dandimal ...	25
	12.	Ditto of Kangalisahi Bandh in Krushnanager in Dandimal...	30
	13.	Excavation of Bhuasuni Jor in Chandka in ditto ...	40
	14.	Clearing of a well in Chandka Bazar in ditto ...	8
	15.	Excavation of B uri Chua tank in Kantabar in ditto ...	25
	16.	Repair of Dalua Begunia Bandh in Dalua in ditto ...	25
		Total	...1,091

Number and name of circle.		Names of works opened or continued.	Amount expend from 20th July to 15th August 1888.
			Rs.
Circle—No. III.—West Circle.	1.	Construction of road from Mali Sahi to Kumuti Sahi, zillah Panchgarh, one mile	200
	2.	Construction of road from Organ to Bar Baranab, zillah Kuspala, three miles	500
	3.	Construction of road from Pichkuli to Sanpadar, zillah Kuspala, one mile	150
	4.	Construction of road from Pannagar to Kaunriapatana, half a mile, zillah Panchgar	50
	5.	Construction of Kendupali Bandh from Kendupali to Baghmari in Kuspala	50
	6.	Construction of road from Tikatal to Koduaborani in Manikagora, six miles	150
	7.	Excavation of Chompailo tank in Kuspala	100
	8.	Ditto of Suanto tank in ditto	50
		Total ...	1,250
Circle—No. IV.—Rameswar Circle.	1.	Construction of road from Jonkia to Chhangiri, zillah Rameswar, three miles	150
	2.	Construction of Charimania Bandh in Beturgang, zillah Rameswar	50
		Total ...	200
Circle—No. V. —Banpur Circle.	1.	Construction of Panchkoria Bandh in Banpur	100
	2.	Ditto of Sonakhala new building in Banpur	200
	3.	Ditto of Dungmal Bandh in ditto	25
	4.	Excavation of tank Ambajhar in Kuburi	50
	5.	Construction of Paikerapur Bandh in Banpur	15
		Total ...	390
		GRAND TOTAL OF ALL CIRCLES ...	5,066

81. Other works paid for or completed before the 20th July have not been included in the above list. The amounts entered represent advances made since 20th July, and do not show the estimated cost of the works which will probably exceed Rs. 15,000.

With next fortnightly report the amounts estimated for the works on the list will be given, and a statement of other works proposed to be carried out or started in order to supply work when and where required.

82. Since writing the above, I am happy to say that there has been heavy and continuous rain commencing at Khorda on the 20th, and amounting up to noon of this date (23rd) to 6·20 inches, the rainfall at Banpur for the 19th, 20th, and 21st being 4·25 inches. This rain, as you inform me, has extended over the whole of the Western Circle, and I hear that the whole of the Pooree district has, within the last four days, received a copious fall of rain.

83. There is now plenty of water all over the Khorda estate, and the prospects of the rice crops have been materially improved.

RESOLUTION ON THE LAND REVENUE ADMINISTRATION OF THE LOWER PROVINCES FOR 1887-88.

REVENUE DEPARTMENT—LAND REVENUE.

Calcutta, the 8th September 1888.

RESOLUTION.

READ—

Letter No. 762A, dated the 31st July 1888, from the Board of Revenue, Lower Provinces, submitting their report on the Land Revenue Administration of the Lower Provinces for the official year 1887-88.

Read also—

Letter No. 836A, dated 1st September 1888, from the Board of Revenue, Lower Provinces, submitting with their remarks the Annual Report of the Director of the Department of Land Records and Agriculture for the official year 1887-88.

Preliminary.

In accordance with the orders of the Government of India, No. 111A—6-2, dated 13th February 1888, the Annual Report of the Department of Land Records and Agriculture will be reviewed in this Resolution together with the Board's Land Revenue Administration Report. The Board's Land Revenue Report was punctually submitted, but the Director's Report was received from the Board of Revenue on the 4th September. As the reports are reviewed together, it is important that they should be received simultaneously and separate orders will be issued by Government on this subject.

2. It is explained by the Board that the portions of the Director's Report which are concerned with Land Revenue Administration have already been laid before the Board with their own report, and that a further notice of them, so far as they relate to Wards' estates, will be offered in the Board's Report on the management of estates under the Court of Wards. The Director's report is prepared by Mr. Collin, who took charge of the Department after the close of the year, and merits the commendation of Government for its lucid and concise treatment. Mr. Finucane was Director of the Department of Land Records and Agriculture throughout the year.

3. The Board's report is submitted by Mr Reynolds, who was in charge of the Land Revenue Department during the last half of the year. From the 1st April to the 30th September Mr. Halliday was acting in his place. The Land Acquisition and Partition Departments were under the successive charge of Mr. Halliday, Mr. Beames, and Mr. Peacock, except for a few days, when Mr Reynolds was in charge. The report is succinct but sufficient, and, in accordance with the recent orders of Government, the repetition of all unnecessary matters has been avoided.

Maps.

4. The report is illustrated for the first time by a series of maps, the object of which is to elucidate the figures and information furnished. The first of these is a map of the province in which the districts are coloured by various shades of red to indicate the percentage of land revenue collections in each. From this it is seen that Manbhoom and Darjeeling are the only districts in which the collections amounted to 100 per cent. In the Rajshahye Division all the districts, except Bogra and Julpigoree, exceed 97 per cent. This satisfactory rate of collections was also attained in Balasore and Cuttack, in Bankoora and Beerbhoom, in Jessore, in Sarun and Durbhunga, in Purneah and in Hazaribagh and Singbhoom. A glance at the map shows that collections were indifferent in Eastern and Central Bengal. The six districts, however, in which the collections were worst of all, viz. Midnapore, Patna, Khulna, Chittagong, Lohardugga and Pooree, are scattered over all parts of the province.

5. The districts of Midnapore, Chittagong, Pooree, Lohardugga, and Patna have appeared also in previous years in the list of those which showed bad collections. The reasons in the first three cases are obvious. In Chittagong the minute character of the estates and holdings, which pay revenue direct to Government, has always necessitated a considerable balance. In Midnapore the indifferent collections are occasioned by the direct management of the large estates of Jellamoota and Majnamoota, and in Pooree by the direct management of the

Government estate of Khoordah. During the past year there was a failure of the rice crop in Khoordah. In Lohardugga collections are affected by direct management in the Government estate of Palamow. In Patna the short collections are attributed to the difficulty in realizing rents in two Government estates, Pundaruck and Jagira Dumra, and to the poor outturn of the rice crop in the Behar subdivision. In Khoolna the unfavourable result is attributable to balances due from an estate sold for arrears of revenue which could not be recovered pending the disposal of an appeal against the sale.

6. In general it cannot fail to attract notice that the districts in which temporarily settled estates, Government estates, and ryotwari tracts are largest are also those in which the collections appear most unsatisfactory. The percentage of total collections on the total demand in all temporarily settled estates in Bengal is 87·08, in Government estates it is 76·46, in ryotwari tracts it is 91 49, and in permanently settled estates it is 97·15. If the permanently-settled estates only are considered, there is not a single district in which the collections fell below 90 per cent. on the gross demand, and there are only six districts in which the collections fell below 95 per cent. So large a proportion of the land revenue in Bengal is collected from permanently settled estates that the percentage of collections from all estates taken together is found to be not less than 94·75.

7. It must be remembered, however, that in all cases of direct management, that is to say, in cases in which the Government collects direct from the ryots, and in a less degree in all cases in which temporarily settled estates and Government estates are let in farm, the basis of collections is very different from what it is in regard to permanently settled estates. In the latter case it is revenue which is collected, revenue which throughout the province as a whole bears an estimated proportion of between a third and a quarter of the amount of rental paid to the zemindars; in the former cases, where there are no intervening zemindars, the rent of the ryots becomes the revenue; it is not a proportion only, but the whole of the rent which is due to Government; and it is not to be expected that the percentage of collections should be as favourable as it is in the case of revenue properly so called.

8 The general map of the province is succeeded by a series of district maps designed to illustrate the locality of all Government estates, and in irrigation districts the area to which canal water was supplied. The maps of all districts are not given, but only such as comprise estates, the importance of which merits recognition. These maps are interesting and fully repay the trouble which must have been bestowed on their preparation. But they are of unequal merit, and in some cases present imperfections due no doubt to the haste with which they were prepared. The Board propose in subsequent years to illustrate other subjects in the district maps, and this intention should be carried out. But the Lieutenant-Governor would suggest that next year the maps should be prepared with the same object that they have been this, in order that the deficiencies which are apparent this year may be corrected The colouring should be uniform throughout. Some districts are very wanting in this respect. In Shahabad it is not apparent that the Government estates have been indicated at all, and no attempt is made to colour the area of land under irrigation. The map of Cuttack does not show Angool, and in Julpigoree, Ambaree Failacotta is omitted. In Lohardugga, the Palamow estate is properly marked; but although a reference is made in the margin to the position of the Burkagurh, Puttea, and Silam estates, it is not possible to trace their site in the map. The 24-Pergunnahs map is too indistinct to be useful. The map of Gya would have been a good one if the names of the village groups had been shown on the map itself, and not in the margin—a practice which should be avoided whenever it is possible to show the names in the map. The maps of Midnapore, Pooree, Balasore, Patna, and Chittagong are favourable illustrations of what is required.

9. Another respect in which there is a change in this report, and at the same time an improvement over its predecessors, is its division into four main parts—(1) collection of the land revenue, (2) administration of the land revenue, (3) rent, and (4) miscellaneous. The Lieutenant-Governor's remarks will follow this convenient order.

Collection of the Land Revenue.

Demand.

10. The current demand on account of the four classes in which estates are divided is shown below:—

Class of Estates.		Current demand. 1885-86.	1886-87.	1887-88.
		Rs.	Rs.	Rs.
I—Permanently settled estates	.	3,22,99,680	3,22,97,484	3,22,91,720
II—Temporarily settled do.	.	27,14,942	27,26,304	26,48,556
III—Government estates		21,97,439	22,36,201	22,32,370
IV—Ryotwari tracts	.	8,21,318	8,35,309	8,43,757
Total	..	3,80,33,379	3,80,95,298	3,80,16,403

There is a decrease in the year under review of Rs 78,895, attributable to reductions allowed in Midnapore on account of the Majnamoota and Jellamoota estates, and partly to items hitherto accounted for as remissions being now shown as reductions of demand.

11. The following statement shows the demand, collections, remissions, and balances during the year 1887-88 as compared with the two preceding years:—

Year.	Demand.			Collections.				Balances.			Percentage of collections to demand.	
	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs	Rs.	Rs.		
1885-86 .	3,80,33,379	30,13,936	4,10,47,315	3,59,79,542	24,11,882	3,83,91,424	3,00,005	20,31,907	4,24,579	24,55,886	93 65	100 94
1886-87 ..	3,80,95,298	25,13,483	4,06,08,780	3,63,87,215	20,20,558	3,84,07,773	1,77,713	16,89,709	3,33,565	20,23,274	94 58	100·89
1887-88 .	3,80,16,403	19,17,014	3,90,33,417	3,62,58,301	15,81,740	3,78,40,041	23,820	17,56,538	3,13,018	20,69,556	94 75	99 53

Collections and balances.

12. The total collections are less than those of 1886-87 by Rs. 5,67,732, and of 1885-86 by Rs. 4,51,383. The collections are smaller in consequence of the steady tendency to reduce arrear balances. In the balances which are most difficult to realize there has been a steady reduction year by years, and to this extent the result is satisfactory. But although the percentage of collections on gross demand shows, in consequence, a small improvement, it is observed that the percentage on current demand shows a falling off, and this year amounts to only 99·53. It is explained that a sum of Rs. 41,980 in Chittagong, though included in the demand for the year, was not recoverable by legal process until after the close of the year. The Board propose to show such demands in future in the first quarter of the next year. This proposal is in accordance with existing orders, and has the approval of the Lieutenant-Governor. Arrears due by wards' estates permanently settled amounted to Rs. 1,75,690, against Rs. 1,12,803 in 1886-87 and Rs. 1,52,659 in 1885-86. Of this amount, however, the large sum of Rs. 75,000 due from the Burdwan estate was a nominal balance only: the amount was paid in at Cuttack from the receipts of the Kujung property, but was not credited at Burdwan until after the close of the year. The fact that the last two days of the year, the 30th and 31st of March, were close holidays prevented the realisation of revenue remitted from one district to another: in such cases it was often impossible to adjust the accounts until after the year had closed. It must be noted also that this case affected the collections in all districts: the latest date of payment for the spring instalment is the 28th March, and considerable payments are usually made on the days which immediately succeed this date. Had it not been for this cause, the collections would have been more favourable than they are shown to be in the year's accounts.

The remissions, which are of grace only, are Rs. 23,820, against Rs 83,390 in 1886-87 and Rs. 56,458 in 1885-86. Remissions of right and nominal remissions have been rightly excluded.

The balances are heaviest in Government estates, being 22·87 per cent. of the gross demand. In permanently settled estates, the percentage on gross demand rose from 2·37 to 2 84, while in temporarily settled estates it fell from 15 19 per cent. to 12·86 per cent.

Government estates.

13. The total number of Government estates in the Lower Provinces during the year was 3,058, with a rental of Rs. 22,32,270. These figures exclude some large Government estates under direct management, which are classed as ryotwari tracts, such as the Western Dooars in Julpigoree and the Damin-i-Koh in the Sonthal Pergunnahs. There were 28 ryotwari tracts with a current revenue of Rs. 8,43,757, and the collections, amounting to Rs. 8,53,737, may be considered to be very satisfactory. The total number of Government estates in 1886-87 was 3,053, and the rental Rs. 22,36,201. There was a much larger amount of arrears in that year, which accounts for the collections amounting to Rs. 24,49,005, against Rs. 22,21,866 for the year under review The percentage of collections to gross demand was nearly the same in both years.

Estates under direct management.

14. Of the total number of Government estates (excluding ryotwari tracts), 1,395, with a rental of Rs. 15,46,655, were under direct management, and the remaining 1,663, with a rental of Rs. 6,85,715 only, under farming leases Including private estates, there were 1,685 estates under direct management with a rental of Rs. 27,96,411, and a gross demand of Rs 35,18,919 The collections amounted to Rs. 27,61,380, or 98 7 per cent. of the current demand, against 102 6 per cent. in the year 1886-87. The collections were best in the Rajshahye Division, except in Pubna, and worst in Orissa. The failure of crops in Khoordah in the Pooree district was so considerable that the Subdivisional Officer submitted a list of 17 areas where he thought relief works would be necessary. Matters fortunately proved less serious than had been anticipated, but the ryots were unable to pay their rents in full, and it is stated that Rs. 32,000 will be reported for remission. In the present year the crops have again failed in a portion of this estate, and it is probable that further remissions will have to be made. The Lieutenant Governor notices with satisfaction the steady, if slow, improvement in the Chittagong district. The percentage of cost of management on revenue was the same as in 1886 87, or 7·3. The allowance made to surbarakars, who are to all intents and purposes middlemen, for the collection of revenue, is not included in the above percentage There are special facilities in the Presidency and Chota Nagpore Divisions, which tend to reduce the total percentage of cost of management.

Miscellaneous revenue

15. There was an increase in the following branches of Miscellaneous Revenue only:—

	1886 87	1887-88
	Rs.	Rs.
Fees under Act VIII of 1865 ...	1 776	2,596
„ „ XI of 1859	16,990	18 666
Fines und r „ XX of 1843 ..	137	1,151

But there was a decrease under all other heads, especially in regard to the sale of Government lands, under which there were large receipts in 1886-87 on account of the sale of the Lottery Committee's lands in Calcutta. The total receipts from all sources fell from Rs. 3,40,478 in 1886 87 to Rs. 1,72,982.

Road and public works cess

16. The following statement shows the demand, collections, and balances of road and public works cess during the past three years:—

	Demand.			Collections	Remission.	Balances	Percentage of balance on gross demand.
	Current	Arrear	Total.				
	Rs	Rs	Rs.	Rs	Rs	Rs	
1884-85	74 36 830	15 63 317	90,00 147	75,38,278	88 657	14,28 631	15·8
1885 86	74 97 608	14 65 317	89,62 9 5	75,38 8 5	89 851	13,88,098	15 4
1887 88 .. .	76,11,708	16,24,865	92,36 573	75,35,113	16,661	17,00,595	18 4

The large increase in the demand is due to re-valuations. The collections are unsatisfactory. Due weight is, however, allowed to the Board's explanation that the statutory allowance of 15 days of grace for cess payments will always unfavourably affect collections when the latest day of payment is on the 28th March—only three days before the close of the year—and to the fact

that in the past year the last two days of March were close holidays. This is the first year in which the cess year has corresponded with the financial year, and the figures given are therefore not strictly comparable with those of previous years.

17. The subj ion of land revenue calls for no remark, unless it be to note that since the close of the year it has been ordered that for the term of one year petty estates in the Chittagong district, permanently settled and paying less than one rupee per annum as Government revenue, may be redeemed at ten times their annual jumma. If, as is expected, this boon is largely availed of by the Chittagong landholders, it will afford relief not only to them, but also to the revenue administration of the district, which at the time of payment of small demands in June is almost paralysed by the thousands of persons who come to pay their infinitesimal quota of revenue.

Redemption of land revenue.

18. The privilege of remitting land revenue by postal money-orders was extended to all districts from the 1st April 1887. The total amount of revenue so remitted during the year was Rs. 2,07,156 by 47,248 orders. Transactions were largest in the following districts:—

Remittance of land revenue by postal money-orders

	Rs.	Number of orders.
Chittagong	21,366	9,393
Mozufferpore	17,911	2,460
Dacca	16,630	3,226
Furreedpore	15,192	2,690

On this subject the Board observe—

"The system has worked very well, and is very popular. The total number of orders refused was 2,066. It is expected that a smaller proportion will be refused in future years, and in order to ensure this result the Board have issued a general rule that doubtful points are to be determined in favour of acceptance rather than of refusals of these special money-orders.

"From the 1st April 1888 the rules have been revised so as to make the revenue money-order system applicable to all estates, irrespective of the amount of their land revenue, and to include remittances of zemindari dâk cess, as well as land revenue and road and public works cess. It has also been ruled that other public demands may be paid at the option of the payer by ordinary postal orders, provided that the particulars given are sufficient for the department concerned"

The success of the system, which the Lieutenant-Governor observes with much satisfaction, is largely due to the personal trouble which has been taken by Mr. Kisch, the Postmaster-General, and his subordinates to organise details and ensure that there should be no breakdown at times of pressure. The convenience to the public afforded by the new arrangements is no doubt very considerable.

The proposal to extend the system of money-orders to payment of rent under the Tenancy Act is still under the consideration of Government. The system has recently been sanctioned as an experimental measure in one village in the Howrah district, where the relations between the tenants and their landlord appeared to be greatly strained.

19. The administration of the sale law was generally satisfactory. The number of defaults increased, but the number of sales as will be seen from the subjoined statement, varies little year by year:—

Sales.

	Defaults. Rs.	Sales. Rs.
1884-85	10,575	1,836
1885-86 ...	12,445	1,770
1886-87 ...	14,456	1,859
1887-88 ...	14,745	1,863

The slight increase in the number of sales observable during the past year is due to an injudiciously worded circular issued by the Collector of Burdwan, which was understood to give the day of sale as the date up to which payment by defaulters would be received. But as a rule the sale law has been

administered with great consideration, and the leniency shown—in the opinion of many officers an excessive leniency—is evinced by the number of defaults. The proportion of sales is now only 12 per cent. on the number of defaults, whereas four years ago it was 17 per cent. The care and discrimination now exercised by Collectors in the case of sales for petty arrears and the greater indulgence shown to defaulters is due to the policy initiated by Mr. Reynolds at the Board, and it meets with the Lieutenant-Governor's entire approval. It is a wise and considerate policy, from which the landholders have gained and the Government has not suffered. That the greater moderation now displayed has not in any way affected the revenue is shown by the following statement of the percentage of collections, year by year, during the past four years upon the gross demand:—1884-85, 92·41; 1885-86, 93·53; 1886-87, 94·58; 1887-88, 94·75.

Certificates

20. The total number of certificates filed during the year was 176,608, against 177,618 in the previous year Of these, 80,205 were for road cess, 30,422 for water-rates, 12,418 for wards' estates, 24,218 for rent due to Government, and the rest for other demands. A large number of certificates is annually filed for the realization of petty demands, principally of road cess and water-rates. Out of the total number of certificates, in 57,194 cases payment was made on mere issue of notice, and in 63,392 cases payment was made on attachment of property. The number of cases in which it was necessary to have actual recourse to sale was reduced from 9,112 in the previous year to 4,797.

ADMINISTRATION OF THE LAND REVENUE.

Estates under direct management.

21. There has been no change in the agency or mode of management in regard to these estates The total expenditure from all sources incurred on works of improvement was Rs. 95,603, or only 3·4 per cent on Rs 27,61,380, which is the total collection of the year from these estates. The greatest portion of the expenditure incurred was in drainage and irrigation works in the Majnamoota and Jellamoota estates. The cultivation of new staples has not been neglected by the Director of the Agricultural Department. Buxar wheat was not found very successful in other districts. Sugarcane and paddy were cultivated on improved methods in the Serampore estates. Different kinds of manure, including bone-meal, were tried with satisfactory results. Potatoes were cultivated in Patna and Bogra with a good outturn Various new ploughs have been introduced into Government estates for experimental cultivation by the ryots, but in all cases have been rejected as being too heavy for country bullocks. The Beheea sugar mill is said to be generally in use, and is much appreciated by the ryots. Mr. Finucane visited Rhotas last cold weather with a view of establishing fuel and fodder reserves on the Rhotas and Rehul plateaus on the Kymore Hills, and submitted proposals to protect the forests in these plateaus, and to reserve a forest tract at the foot of the hills, which are still under the consideration of the Forest Department. Primary schools are maintained on Government estates in most districts, and the usual one and a half per cent. assignment was made over to the District Road Cess Committees for the improvement of communications. The inspection of tehsil accounts by Collectors and others appears to have been generally made. In Bogra serious irregularities in the Jaipore Manager's office were detected; in Chittagong various malpractices were discovered, which eventually resulted in the removal of a khas tehsildar from his appointment; in Lohardugga, Chittagong, and Noakholly embezzlements were brought to light, which have been followed by the criminal prosecution and conviction of the offenders. The material condition of the Government ryots was not marked by exceptional features.

Survey and settlements.

22. The question of survey and settlements will be again referred to in dealing with the proceedings under the Tenancy Act. The following observations refer to action taken under the provisions of other Acts. The survey of ghatwali lands in Bankoora was completed at a total cost of Rs. 63,380. The Government estate of Angul in Cuttack lies within the Tributary Mehals. It comprises

879 square miles, a large portion of which is jungle. The whole tract is now under cadastral survey and settlement under the immediate supervision of the Director of Land Records. The cadastral survey is being carried out by the Professional Department through the indigenous agency of surbarakars or village headmen, and it is reported that 187 square miles had been completed by the close of the year. In regard to the settlement now being taken in hand, it has been decided to make no alteration in existing rates, but to rely upon the increase in the area of holdings, and the extension of cultivation for an increase of revenue. The estate of Banki in the same district, comprising an area of 120 square miles, is also under survey and settlement by the same means and agency. Of this estate, the survey of only six square miles had been completed by the close of the year. The outer boundary and traverse surveys of both of these estates having been completed, it is expected that the whole of the cadastral survey will be concluded during the coming cold season. The rents of the Majnamoota and Jellamoota estates have now been finally adjusted, and negotiations have been set on foot for restoring the management of the Jellamoota estate to its proprietors. The Chota Nagpore settlements have been completed, and the Board accord well-deserved praise to Mr. Slack for his efficient service as Settlement Officer in this division.

The old Settlement Manual has been revised by the Board in communication with the Director of Land Records, and new rules, which have been rendered necessary by the difference of procedure enjoined under the Tenancy Act, have been submitted to Government, and will shortly be promulgated for general guidance.

Land registration.

23. The first registration under Act VII of 1876 is complete in 37 districts; the balance of work remaining to be done is inconsiderable. Revision and re-writing of the registers are complete only in 22 districts. Registration of mutations under section 42 of the Act in still very incompletely effected. The improvement is almost imperceptible. The percentage on the total number of interests registered was 3·5 in 1885-86, 3·7 in 1886-87, and 3·8 in 1887-88. In every year the registrations are more satisfactory in the Rajshahye and Dacca Divisions than elsewhere. But in the Presidency Division the percentage is only 1·6 in Jessore, 2·4 in Calcutta, and 2 7 in the 24-Pergunnahs. In many other parts of Bengal the results ar quite as bad as this, while in neighbouring districts like Khulna it is found that the percentage is 12·6 and in Burdwan 11·1. In Rajshahye, Pubna, Dacca and Patna the mutation exceeds 7 per cent. No explanation of these divergencies can be furnished. Revised rules prepared by the Board with a view to the improvement of regist ation without having recourse to further legislation for the purpose have been sanctioned by Government, but it is doubtful, as the Board observe, whether these rules will prove very efficacious.

Partitions.

24. The number of partitions instituted during the past four years in the three heaviest divisions—Patna, Bhagulpore, and Dacca—is shown in the following statement:—

	Patna.		Bhagulpore.		Dacca.	
	Institutions.	Disposals.	Institutions.	Disposals.	Institutions.	Disposals.
1884-85	425	338	67	69	77	12
1885-86	440	375	79	65	69	88
1886-87	433	393	61	86	48	68
1887-88	436	380	88	99	92	67

There are no great fluctuations year by year, but it will be observed that the disposals in the Patna Division by no means keep pace with the number of institutions, and the number of cases pending at the close of 1884-85 was 1,396, while it has increased to 1,557 at the close of the past year. The increase is distributed among every one of the seven districts in the division. The amount of work done last year in Mozufferpore was creditable, but less so in other districts. In the Bhagulpore Division the pending files have been satisfactorily reduced.

25. The proceedings in the Land Acquisition Department involved a considerable increase of outlay during the last year, as follows:—

Land acquisition.

	Area of land acquired.			Cost of acquisition.			Average per acre.
	A.	R.	P.	Rs.	A.	P.	Rs.
1884-85	2,946	3	15	3,12,072	4	7	106
1885-86	3,262	3	30	11,42,697	8	11	350
1886-87	7,363	3	30	4,89,887	12	6	67
1887-88	2,824	1	36	14,50,313	7	3	513

From the nature of the case these figures afford very little standard of comparison with one another. During the first of these years no important cases were confirmed by the Board. In 1885-86 land was taken up in Calcutta for town improvements, and there was a heavy expenditure on railway lands. In 1886-87 a very large area was acquired for irrigation purposes in Orissa, but the expense was small. During the past year there has been a heavy outlay in almost all departments. The principal project in which the proceedings were confirmed was the land on the Howrah foreshore for the Port Commissioners: 13 acres at a cost of Rs. 5,25,000. A total cost of more than 4½ lakhs was incurred for railway lands, and more than two lakhs of rupees were paid for land taken up by municipalities, chiefly Calcutta. The high cost per acre is due to the character of the land acquired. The proceedings in the case of several important railway projects are still pending, and cannot be confirmed until the proceedings before the Civil Court have been disposed of. The revised rules prepared by the Board for the guidance of officers in the acquisition of land for public purposes are still under the consideration of Government in the Public Works Department.

26. Important special reports from the Board of Revenue have recently been received regarding the maintenance of patwari registers, and the value of the existing patwari agency as a means of maintaining the maps and records in a tract of country of which a survey and record of rights has been made. In their present report the Board write:—"It appears to be premature to discuss the question of the form of the registers until it has been finally decided whether any recourse is to be had to legislation. If it is determined to leave the law as it stands, it does not appear that anything would be lost by cancelling the patwari rules and abolishing the registers." The whole question is still under the Lieutenant-Governor's consideration.

Patwaries.

Rent.

27. The Board observe that "the Bengal Tenancy Act has been for too short a time in force to have produced its full effect. There is still a feeling of hesitation on the part of landlords and tenants to have recourse to its provisions. What influence it will eventually have on the condition of the landholding classes it is still too early to say. It is certain, however, that it has not yet provoked any agrarian demonstrations or increased litigation." Upon the whole, the relations between landlord and tenant are said to have been satisfactory, although here and there manifestations of ill-feeling are brought to notice. In the Burdwan district it is reported that an increment of rent assessed thirty years ago was waived by the landlord during some bad seasons, and is now a source of dispute, because the prescribed form of rent receipt requires it to be permanently shown or permanently abandoned. Similarly, there is disturbance in the south of the Midnapore district, where the landlord's claim has always been a fluctuating one on account of floods. In the same way the difficulties which are felt by the Court of Wards in dealing with pergunnah Sujamoota in the Burdwan Raj Estate are principally due to the amalgamation of illegal cesses with the demand many years ago, and the consequent uncertainty in the demand of rent from the ryots. In this case the disputes will no doubt be settled by the survey and record of rights which will be effected next cold weather. In the Rungpore and Mymensing districts, there were agrarian riots accompanied with loss of life.

Working of the Bengal Tenancy Act and relations between landlords and tenants.

Form of rent receipt.

28. The use of the form of rent receipt and of annual account under the Tenancy Act appears to have become general. In consequence of a misunderstanding which prevailed as to the meaning of the words "particulars of holding" which appear in the form of receipt, it was decided by Government that the words which do not in any way affect the meaning or substance of the receipt should be omitted from the form.

Notice of transfer and landlords' fees.

29 There has been a marked increase in the number of notices of transfer of tenures from 67,565 to 89,564. The statistics given by the Board are interesting: the 24-Pergunnahs again heads the list with 19,128 notices, most of which relate to holdings in the Punchannogram estate. In Hooghly the number was 9,055, Chittagong 8,427, Midnapore 7,868, Dacca 6,887, and Backergunge 5,590, while the number in Moorshedabad was only 366, Rungpore 185, Dinagepore 126, Chumparun 135, and Beerbhoom 117. The explanation of this contrast is that in the latter districts the number of permanent holdings is comparatively small. The Board bring to notice that the feeling of reluctance on the part of landlords to accept the fees for transfer continues to prevail, and again suggest that as the Bill for the registration of permanent tenures has been allowed to drop, there is no sufficient ground for retaining in the Tenancy Act the sections 12 to 15 which were intended by the framers of that Act to supplement the provisions of a law which it was understood would be introduced in the Bengal Council for the registration of tenures. The Lieutenant-Governor has no doubt that the operation of these sections has created a great increase of work in Collectors' offices, and that, from the official point of view, no advantage is obtained from them. The facts also would seem to show that they are not appreciated by the zemindars, who, as a rule, refuse to be bound by them. It remains to ascertain the feeling of tenure-holders on the subject, and this, as the Board observe, ought not to be difficult to ascertain in districts where permanent under-tenures are common. The Lieutenant-Governor requests, therefore, that the Board will now take steps to obtain the opinion of Revenue Officers and of the landholding classes generally, both landlords and tenants, whether the sections should be retained in the law or not, and to submit a report on the subject.

Surveys, settlements, and records of rights.

30. There were altogether 66 applications for survey and settlement of lands under Chapter X of the Tenancy Act. Of these 40 were in respect of the settlement of Government or temporarily-settled estates under direct management, 6 related to Wards' estates, and 20 to private zemindaries. These proceedings are for the most part conducted under the direct supervision of the Director of Land Records. The survey and settlement of Beel Bullee in the 24 Pergunnahs was concluded during the year. The rents, when they have reached their maximum, will have increased from Rs. 4,061 to Rs. 27,059. This large increase is mainly due to the reclamation of land for cultivation effected by the drainage work of the Public Works Department at a cost of Rs. 94,443. The settlement operations in Chur Nalchira in Noakhally were commenced in December 1886, and brought to a conclusion in February 1888, the result being an increase of rent from Rs. 23,000 to Rs. 29,000, or 26 per cent In the remaining Government cases survey only had been undertaken, and settlement had not commenced until after the close of the year. In the two first cases of settlement, which have been concluded under the Tenancy Act, the results are financially satisfactory, and the work seems to have been efficiently done.

The Lieutenant-Governor trusts that the Board of Revenue, the Director of Land Records and other Revenue authorities will keep as careful a watch and control over the surveys and records of rights which are being made under Chapter X of the Act in regard to private zemindaries as they are bound to do in the case of Government estates. At least one case of the settlement of a private estate has already come to His Honour's notice, in which, owing to want of supervision and attention, a much larger expenditure has apparently been incurred than the circumstances would justify. Delay, too, often involves unnecessary expense, and it is feared that in the operations undertaken in some private estates delay has occurred which might have been avoided. It is known that in Wards' Estates the expenditure has been greater than was expected. It

was pointed out by the Lieutenant-Governor in the Resolution on last year's report that it was only after those concerned had observed the effects of such operations that any general recourse could be expected to the means afforded by the new law for securing a settlement of all agrarian disputes. But if it is found that the work is not efficiently supervised, and if it is not well and economically managed, and if the strictest care is not taken to prevent abuse, it is certain that the provisions of this chapter of the Act will become a burden instead of a boon to those interested in the land, and the benevolent intentions of the legislature to facilitate by this means the adjustment of disputes between landlords and tenants will be frustrated.

MISCELLANEOUS.

Inspections by Collectors of their own offices.

31. The Board report that the prescribed half-yearly inspections were generally made by the Collectors themselves. In some districts, owing to pressure of work, the duty of inspection was delegated to Deputy Collectors or Assistants. In two or three districts only no inspection was made. The reason of this is generally attributed to the transfer of officers at the time when the inspection would otherwise have been made. The Lieutenant-Governor attaches much importance to this duty, and does not find that the excuses which have in some cases been made for its non-performance are satisfactory. He expects that all Collectors will comply with the rule, and must hold the Board and Commissioners responsible for seeing that the inspection is made regularly half-yearly, and that it is always made by the Collector himself and not by a subordinate. There is no reason why it should be put off to the end of the half-year: it is this postponement which generally leads to no inspection being made at all.

Training of young civilians in survey and settlement work.

32. The Lieutenant-Governor is glad to see that the subject of training of young civilians in survey and settlement work has received due attention. It is true that the practical difficulties in the way of imparting a competent knowledge of survey work to a young civilian are very great. But an attempt is being made to overcome them by associating these officers more closely with surveys and settlements than was done in former years. During the next cold-weather, survey operations will be carried out on a somewhat extensive scale, and it is likely that for several years to come important surveys will be in progress in several districts. Opportunities, therefore, are likely to offer themselves more frequently in future, and the Director of Land Records, as well as Commissioners of Divisions, should avail themselves of them wherever possible for deputing young civilians temporarily with a survey party in order to learn their work.

33. The Lieutenant-Governor cordially acknowledges the valuable services rendered during the year by Messrs. Reynolds and Halliday as Members of the Board. A series of very useful Manuals for the guidance of officers on revenue matters, based on rulings and orders of the Board of Revenue, has been accurately and carefully compiled by Mr. Buckland, Officiating Secretary to the Board. Mr. Finucane, the Director of Land Records, again distinguished himself by the energy with which he devoted himself to his multifarious duties. The names of the revenue officers, who are considered by the Board to be deserving of special commendation for their work, will be communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

7. Secretary to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL REPORT OF THE SANITARY COMMISSIONER FOR BENGAL FOR THE YEAR 1887.

RESOLUTION.

SANITATION.

Calcutta, the 10th September 1888.

READ—

The Report of the Sanitary Commissioner for Bengal for the year 1887, including the Report on Vaccination in Bengal for the year 1887-88, dated 18th June 1888.

Read also—

The Report for the previous year and the Resolution recorded upon it.

The remarks in last year's resolution on the length of the Sanitary Commissioner's report have been attended to by Dr. Lidderdale, who has succeeded in reducing his report from 163 to 65 pages without at the same time omitting anything of importance. The section relating to personal proceedings might be still further shortened.

2. *Registration of Births.*—Births were registered in 100 towns, against 45 towns in 1886. It is no doubt due to the number of towns in which registration was enforced for the first time that the recorded birth-rate fell from 21·04 per 1,000 to 19·35. The recorded birth-rate varied from 50·21 per mille in Jamalpore to ·66 per mille in Jehanabad. It is obvious that in many places sufficient attention has not been paid to the work of registration of vital statistics by the Municipal Commissioners who are at present responsible for it. The matter will be referred to the Municipal Department for such action as may be found necessary.

3. *Registration of Deaths.*—The death-rate per mille for 1887 is 23·46 against 21·99 in 1886, and a mean ratio for the previous five years of 20·96. These figures indicate some improvement in the registration of vital statistics which is most marked in a more accurate record of the death-rate among children of less than five years of age. The number of deaths among children under one year has increased to 145·40 per mille from a quinquennial mean of 111·81. There is reason to think, however, that the apparent improvement in registration is not altogether real. Dr. Lidderdale points out that the death-rate is calculated on the population as recorded in the census of 1881, and that, allowing for the probable increase in population since then, the corrected death-rate for 1887 would be about 21·41 per thousand. The rates recorded vary from 35·31 per 1,000 in Monghyr to 12·53 per 1,000 in Mozufferpore. The former figure is probably very nearly correct, and it is most important to note that the apparently high comparative death-rate in Monghyr is not due to its being an unhealthy district, but mainly to the admirable way in which Colonel Ramsay enforces report by the village chowkidars of the district. At present the position of any district on the list is very largely determined by the interest taken in registration by the Magistrate and District Superintendent of Police, and the Lieutenant-Governor is compelled to observe that in too many cases the results shewn are deplorably inaccurate, and the figures supplied absolutely worthless, for purpose of comparison or as a basis for sanitary action. The attention of Commissioners of Divisions, and of the Inspector-General of Police, will be emphatically called to the matter, the importance of which is manifestly often overlooked. District and Sub divisional Officers and District Superintendents of Police must be got to realize that the collection of correct vital statistics is an important part of their duty. They should be urged to take a personal interest in the work, and to test the figures supplied to them by their own knowledge of the sanitary conditions of various parts of their districts, by facts which may come to their knowledge regarding the prevalence of epidemics of cholera or malarious fever or other diseases, and by local enquiry during their tours. By these means they can effectually check, if not put a complete stop to, the tendency to leave deaths unreported on the one hand, or the possible risk of imaginary deaths being reported on the other.

4. The following table shows the death-rate from various causes during the quinquennial period 1882-86, 1886 and 1887 :-

	Ratio of deaths per 1,000 of population.								
	In 1887.			In 1886.			In 1882-86.		
	Urban.	Rural.	Province.	Urban.	Rural.	Province.	Urban.	Rural.	Province.
Cholera	3·40	2·57	2 60	4 12	1 70	1·78	4·32	2·03	2·11
Small-pox ..	·13	·05	·05	·08	·06	06	·43	·15	·16
Fevers	10 45	16 66	16·44	12 29	16 11	15·97	13·85	14·37	14·84
Bowel-complaints ...	3 48	·76	·85	3·77	·73	·84	3·75	·78	·89
Injury	·40	·40	·40	·50	·41	·43	·44	·38	·38
Other causes ...	6 22	2 97	3 09	6·51	2·74	2 88	6 19	2·42	2·56
Total ...	24 12	23·44	23·46	27 29	21 79	21·99	28·98	20·65	20 96

The most striking feature in this table is the close approximation between urban and rural mortality as compared with previous years. Dr. Lidderdale makes no remarks on the subject in discussing these figures, though it would appear to require explanation, as, while the recorded death-rate rose in rural circles, it actually fell in urban circles considerably below the quinquennial mean. From another part of his report it would appear that he attributes the decline to the fact that the charge of registration has been made over to municipal bodies (paragraph 57). This subject had been already noticed in a previous paragraph, and the Lieutenant-Governor trusts that measures may be taken to remove a decided blot in Municipal Administration. The only other noteworthy feature is the considerable mortality from cholera.

5. *Cholera*.—The recorded deaths from cholera rose to 172,578, against 118,368 in 1886, and a quinquennial mean of 139,869 for 1882-86. The number of villages attacked was 23,894, against 21,567 in 1886. The severity of this disease varied greatly in different parts of the province. In Bengal Proper the mortality fell to 1 70 per mille against 2·17 in 1886. The Suburbs of Calcutta, favourable climatic conditions notwithstanding, maintained its pre-eminence with a death-rate of 8·31, against a mean rate of 8·58 for the previous five years. The bad sanitary condition of Raneegunge, due, according to the Sanitary Commissioner, to neglect of duty by the Municipal Commissioners, afforded a breeding ground for cholera. It should, however, be mentioned that, as appears from the General Administration Report of the Burdwan Division, the Municipal Commissioners of Ranigunge were most energetic in remedial measures after the disease had made its appearance. It appeared there in the cooly depôts, and was transmitted thence through Northern Bengal causing much loss of life. In Serampore there was an outbreak, ascribed to the use of bad water. In Midnapore cholera was imported by the pilgrims returning from Pooree. In Behar the number of deaths was 84,530, against 25,709 in 1886, and a quinquennial mean of 41,415, giving death-rates of 3·65, 1·11 and 1·79 per mille respectively. The districts most affected were Gya, Chumparun and Shahabad, with death-rates of 8·05, 7·50 and 7 15 per mille Peculiar atmospheric conditions were associated with the appearance of this epidemic, "such as absence of the usual west winds, replaced by damp winds from the east, and a heavy downpour of rain in the end of May." In Gya town, where the death-rate was 8·78, sanitary improvement is greatly needed. In Shahabad the Civil Surgeon enquired as to the cause of the outbreak, and says "for all there is the same tale to relate—foul wells. foul tanks, human and animal ordure everywhere, damp houses, damp surroundings, and neglect of the first principles of sanitation." In Sarun the death-rate was 3·46, the largest on record for that district. It was most virulent there in Sewan in the municipality and rural circle. The former had a death-rate of 5 63. Chumparun was visited by the Sanitary Commissioner in August, who submitted a special report. He found here the usual insanitary conditions. and also noted that the epidemic "was preceded by two years of unusual rainfall, was associated with a very plentiful fruit crop, and with early rainfall and an absence of west winds." In Orissa the death-rate was 4·87 against a quinquennial mean of 4·18. The Puri district had a death-rate of 9·75—the highest in the province. Several sanitary improvements were proposed in the pilgrim routes. "It is intended in Cuttack to extend the Puri Lodging-house

Act along the main line of road, and to allot to the Sanitary Committee of the Local Board funds for conservancy at principal halting-places." Dr. Lidderdale recommends similar measures along the Grand Trunk Road. A copy of his remarks will be forwarded to the Municipal Department. In Chota Nagpore the. death-rate was 2·45 per 1,000 against ·30 per 1,000 in 1886 and a quinquennial mean for 1882-86 of ·67. It was worst in places near the Gya and Shahabad districts.

6. *Small-pox.*—The number of deaths is the smallest on record, only ·05 per mille, and testifies to the good results of systematic vaccination. 47 per cent. of the mortality is due to the Patna Division, where vaccination has only been extended to three districts. In the Orissa Division vaccination is said to be backward and inoculators active, and the result is that 32 per cent. of the deaths are reported from that division. Dr. Lidderdale states that many of the deaths put down to small-pox are really due to measles or fever attended by anomalous eruptions. While the death-rate for rural circles is ·05 per mille, urban circles show a mortality of ·13, and the very unsatisfactory explanation given by the Sanitary Commissioner is neglect of vaccination and inefficient administration of the Compulsory Vaccination Act.

7. *Fever.*—The statistics of fever mortality give a death-rate of 16·44, the highest yet recorded. The increase, however, appears to be due to improved registration, for the general view of Magistrates and Civil Surgeons is that the year was not an unhealthy one. There is a marked decline in the fatality in towns remarked on in paragraph 4. The Sanitary Commissioner remarks that of the eight districts heading the list, he believes all, except Monghyr, to be among the most feverish in the province, and he considers that this proves that in some parts of the country registration of deaths is beginning to show some relation to actual facts. The Rajshahye Division shows the very large death-rate of 27·16 per 1,000 from fever, but the rise of 6·11 over the average for the five years 1882-86 appears to be entirely due to better registration. In the Presidency Division the death-rate from fever in Nuddea has fallen from 29·22 per mille in 1884 and 26·85 in 1885 to 21·99 in 1887. It appears, however, very doubtful whether this is due to anything but defective registration last year. In Tipperah fever was so severe that five hospital assistants were sent to treat cases. The returns, which must be altogether untrustworthy, only show a death-rate of 12·63. In Shahabad there was a decided change for the better, the death-rate having fallen from 29·20 in 1886 to 20·62. The Civil Surgeon is of opinion that the canal irrigation there has intensified pre-existing influences, tending to produce disease.

8. *Mortality from other Causes.*—The mortality from bowel-complaints, injury and other causes during the year amounted to 56,893, 26,630, and 204,813 against 55,693, 29,081, and 190,818 respectively in 1886. The record of deaths from other causes is not reliable, and depends very much on the practice of the reporting and registering officers. The ratio for the whole province is only 3·09 per mille; but in Banpur rural circle in Pooree district it rose to 30·54 per mille, and the ratio of the Pooree district is 14·72, followed by Backergunge with a ratio of 7·83.

9. *Vaccination Operations.*—The following table shows the number of primary vaccinations performed in 1887-88:—

Circles.	Primary. Total number of operations in 1887-88.
Calcutta	9,809
Metropolitan Circles ...	391,912
Suburbs of Calcutta, including Central Vaccination Depôt and Cooly Depôts	8,768
Total of Metropolitan Circles ...	400,675
Darjeeling Circle ...	274,876
Ranchi " ...	111,782
Sonthal Pergunnahs "	108,910
Eastern Bengal " ...	540,467
Orissa " ...	84,995
Behar "	70,344
Total of Vaccination Circles	1,631,888
Municipalities, dispensaries, &c.	77,409
Grand Total ...	1,712,297

It is very unsatisfactory that while the total number of operations has increased by 108,378 as compared with the previous year, the number of operations in municipal and other areas, not included in the departmental circle, has decreased by 9,140. Dr. Lidderdale's remarks regarding the very useful depôt for bovine lymph in the Suburbs of Calcutta, and the desirability of establishing similar institutions on a smaller scale in large municipalities, such as Patna, Dacca, &c., will be sent to the Municipal Department. It is satisfactory to find that on the whole steady progress is being made, though there is still much opposition in many districts. From Moorshedabad and Beerbhoom it is reported that the long sustained opposition of the Ferazis is being steadily overcome.

10. In the Sonthal Pergunnahs circle the services of the Government vaccinators were dispensed with, and the licensed system was introduced throughout the circle. The number of licensed vaccinators employed throughout the province was increased by 130. The Compulsory Vaccination Act (Act V (B.C.) of 1880) was extended to 40 towns during the year. In a good many places more use might be made of the Act. Thus in Patna the backward state of vaccination is said to be due to the apathy and indifference of the Municipality, as well as to the incompetence of the subordinate vaccination staff. In Motihari again no one was prosecuted up to the close of the year, and only 240 persons were vaccinated out of a population of 10,307. Dr. Lidderdale reports, however, that on the whole progress was made, and that Municipal Commissioners are said to have begun a more active administration of the law—a statement which it is difficult to reconcile with the falling off in the number of operations noted in the previous paragraph. The attention of the Municipal Department will be directed to this part of the report. The decrease in the death-rate of vaccinated areas from ·13 in 1882-83 to ·04 in 1887-88 contrasts very favourably with that in other areas, where it has varied between ·55 in 1884-85 and ·16 in 1886-87 and 1887-88.

11. *Expenditure on sanitation.*—There has been a satisfactory increase in sanitary expenditure, excluding roads, of Rs. 1,04,994, but there are still many towns in which the expenditure under this head is very inadequate, while there were 25 towns in which nothing was spent on original sanitary works. The most unsatisfactory feature of the expenditure is the very small sum allotted to the disposal of the dead, as in some places burial-grounds for Mahomedans are an urgent sanitary want.

12. *Sanitary works.*—The Bhagulpore water-works progressed satisfactorily. Nothing has been done for the water-supply of the towns on the right bank of the Hooghly from Serampore to Howrah, notwithstanding the conditions on which Howrah was relieved of its police charges. In Hooghly Mr. Toynbee's efforts to get the owners of tanks to come forward and make them over to the District Board for the purpose of being repaired and maintained as a source of drinking water-supply met with no success. In Burdwan Rs. 5,800 were advanced under the Land Improvements Loans Act to some landholders and tenants for cleaning and deepening old and silted up tanks and for excavating new ones. In Dinagepore a large scheme of town drainage was in progress at the expense of the Maharajah of Dinagepore. In Moorshedabad Rs. 1,645 were spent on the Baluchur drainage scheme. In Midnapore Rs. 29,692 were expended on the Surpai drainage works and upwards of Rs. 10,000 on protective embankments. In Howrah the Commissioners spent Rs. 30,000 on a small tramway for the removal of night-soil beyond municipal limits.

13. *Extension of sanitary laws.*—The Municipal Act III (B.C.) of 1884 was introduced into three towns. The Compulsory Vaccination Act (Act V (B.C.) of 1880) was introduced into 40 municipalities. Act IV (B C.) of 1865, forbidding inoculation, was extended to 7 thanas in Backergunge and 6 thanas in Gya district. It is now in force throughout Lower Bengal, excepting Chittagong, the greater part of Orissa, and four-and-a-half districts of Behar.

The Local Self-Government Act III (B.C.) of 1885 was introduced into 22 districts, and is now in force in all but 7 districts.

14. The Sanitary Commissioner describes at some length the result of his inspections and of the inspections by circle officers. Only four of the towns visited were found to be in a satisfactory condition. He shows that the unsatisfactory results of the sanitary inspection of villages is not due to any want of a clear perception of what should be done, but to the absence of any agency to

see that reforms suggested are carried out. When a Sanitary Board has been constituted as directed in the Government of India's Resolution of the 28th July, it will be its first duty to draw up a practicable scheme providing an agency to carry out the reforms on which it may decide. Sir Steuart Bayley has had under consideration various proposals regarding rules to be passed for village sanitation, but he proposes to defer passing orders till he can have the advantage of the suggestions of the Board. The Municipal Department will be asked to consider, in addition to the matters to which their attention has been specially called, the remarks made by the Sanitary Commissioner upon various points noted in the Report connected with sanitation of areas under the Administration of Municipal, District, or Local Boards, and the means of getting better work done under this head by Municipal Boards.

By order of the Lieutenant-Governor of Bengal,

J. WARE EDGAR,

Chief Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 8th September 1888.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*		
Burdwan Divn.	1	Burdwan Sept. 8, '88	2·20	Weather—bright, but cloudy at intervals with occasional showers. Prospects of crops favourable, except where damaged by floods. Common rice 19 seers per rupee on an average.
		Culna ...	2·19	
		Cutwa ...	1·26	
		Ranigunge	2·60	
	2	Bankoora „ 8, '88	1·84	Weather—seasonable. *Aus* ripening. *Amun* coming on well. Sugarcane slightly damaged by recent heavy showers in the Bishenpore sub-division. Prices have slightly fallen.
	3	Birbhum „ 8, '88	1·61	Weather—generally fine with cloudy and showery intervals. Rice and sugarcane doing well, the present weather being very suitable. Hemp being harvested.
		Rampur Haut ...	4·52	
	4	Midnapur „ 8, '88	1·74	Weather—cool. There is an appearance of a break in the rains. The floods are found to have done a great deal of damage in the Ghatal sub-division. Nearly the whole of the winter paddy in thana Daspur and in about 40 square miles of Ghatal have been destroyed. In Contai the damage will be also considerable, but in Tumluk and Head-quarters rather less. On high grounds and where the floods did not reach, the crop is very promising.
	5	Hugli „ 8, '88	1·70	Weather—normal. Crops on high lands good; those on low and flooded lands much damaged.
		Serampur ...	2·55	
		Jehanabad ...	4·02	
		Howrah „ 10, '88	0·88	Weather—seasonable. Some damage done by floods.
		Ooolooberiah ...	0·86	
		Central Districts.		
Presidency Divn.	6	24-Perghs. Sept. 11 '88	1·28	Weather—seasonable and showery. Prospects of the late rice crops very unfavourable in the Diamond Harbour sub-division. In the other sub-divisions, with the exception of some damage done by floods in the low lands, prospects are fair. Harvesting of *aus* has been resumed. Transplantation of *amun* is still going on in places.
	7	Nuddea „ 8, '88	1·07	Weather—close and rainy. *Aus* harvest continues; outturn fair in Meherpore, not good elsewhere on account of the floods. *Amun* prospects doubtful till floods subside.
		Kushtea ...	2·08	
		Meherpur ...	0·82	
		Choodanga ...	1·55	
		Ranaghat ...	2·71	
	8	Khoolna „ 8, '88	1·59	Weather—showery. Prospects of crops generally good.
	9	Jessore „ 8, '88	1·15	Weather—hot and cloudy with occasional showers. Rivers still rising. Harvesting of *aus* continues. *Amun* has been submerged in some places. Prospects fair.
		Jhenidah ...	2·30	
		Magoora ...	1·47	
		Narail ...	2·18	
		Bongong ...	2·82	
	10	Moorshedabad „ 8, '88	1·04	Weather—bright with occasional showers. Prospects of *amun* favourable. *Bhadoi* cutting completed in the Sudder sub-division. In other sub-divisions it is being harvested. In Jungipore *bhadoi* on low lands submerged. There had been a storm there on the night of the 5th. Bhagiruthee subsiding, height at the gauge to-day (8th) being 28′ 4½″.
		Lalbagh ...	1·77	
		Kandi ...	1·22	
		Jangipur ...	0·83	
Rajshahye Divn.	11	Dinagepur „ 8, '88	1·10	Weather—cloudy and rainy, alternating with hot sun. Transplantation nearly finished. *Aus* harvest commenced.
		Thakurgaon ...	[illegible]·49	
	12	Rajshahye „ 8, '88	0·[illegible]2	Weather—very hot sun Rain wanted for transplantation of *amun* and for steeping of jute. *Aus* still being harvested Rice a little dearer—21 seers per rupee.
		Nattore ...	1·[illegible]0	
		Nowgong ...	2·[illegible]3	
	13	Rungpur „ 8, '88	1·[illegible]	Weather—hot and dry with occasional storms. Rain deficient, and prospects of *amun* crop not improved.
		Nilphamari ...	0·[illegible]7	
		Kurigram ...	Nil	
		Gaibandha ...	Nil	
	14	Bogra „ 8, '88	·85	Weather—seasonable. Reaping of *aus* nearly complete. Transplantation of *amun* continues.
		Sherpur ...	2·16	
		Naukhila ...	·36	
	15	Pubna „ 8, '88	1·66	Weather—variable with occasional showers; sometimes very hot. Prospects of *amun* still good. It has been damaged in some places owing to unusual flood. The rivers are subsiding.
		Serajgunge ...	0·48	
	16	Darjeeling „ 8, '88	2·53	Weather—sultry with occasional showers. All crops, except the potato crop, promise well.
	17	Julpigoree „ 8, '88	3·53	Weather—cloudy and warm. Harvesting of *aus* paddy nearly finished. Transplantation of *haimanti* going on. In the Alipore subdivision *haimanti* seedlings, which have been transplanted, are said to be withering, but some good may be done if heavy rain falls during this month.
		Eastern Districts.		
Dacca Divn.	18	Dacca Sept. 8, '88	2·75	Weather—fine with occasional rain. Jute and *aus* paddy being harvested; outturn good. *Amun* paddy thriving. Prospects good. Water gradually decreasing.
		Manickgunge ...	0·83	
		Munshigunge ...	1·14	
		Naraingunge ...	2·15	
	19	Furreedpur „ 8, '88	3·06	Weather—cloudy with occasional showers. Prospects of crops satisfactory.
		Goalundo ...	1·77	
		Madaripur ...	0·60	
	20	Backergunge „ 7, '88	1·87	Weather—seasonable. Prospects of crops fair. *Aus* and *amun* have suffered from floods and insects.
	21	Mymensingh „ 7, '88	2·57	Weather—cloudy and rainy. Prospects of crops good.
		Jamalpur ...	1·11	
		Kishoregunge ...	6·89	
		Attia ...	1·08	
		Netrokona ...	6·00	

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Eastern Districts—concld.		
CHITTAGONG DIVN.	22	Chittagong Sept. 11, '88	2·39	Weather—bright at day; rainy at night. Harvesting of *aus* continues. Transplantation of *amun* goes on. Prices ready.
	23	Noakholly „ 7, '88	2·65	Weather—seasonable. Reaping of *aus* almost completed. Transplantation of *amun* continues.
		Fenny ...	3·18	
	24	Tipperah „ 6, '88	3·48	Weather—in every way most seasonable *Aus* has not yielded more than a 10-anna crop. Prospects of *amun* excellent.
		Brahmanbariah .	0·83	
		Chandpur ...	1·90	
	25	Chittagong Hill Tracts. „ 5, '88	3 35	Weather—rainy except on the 1st, 2nd, and 4th instant. Harvesting of *jum* paddy continues. Transplanting of plough paddy in low lands not finished. Prospects not good.
		Hill Tipperah „ 5, '88	1·71	Weather—hot. Transplanting of *amun* paddy nearly over. Sugarcane and *jum* crops doing well.
BEHAR.				
PATNA DIVN.	26	Patna „ 8, '88	1·85	Weather—hot and cloudy. *Bhadoi* crops destroyed by flood in almost all parts of the district. Paddy greatly injured in Dinapur and Behar sub-divisions, and about 4 annas spoilt in Barh. Prices high in Behar owing to the absence of any means of communication with places from which grain is imported.
	27	Gya ...	... ..	Report not received.
	28	Shahabad „ 8, '88	2 61	Weather—clear and cloudy at intervals. Crops on low lands have suffered considerably. A break in the rains is now generally needed. *Bhadoi* harvest has commenced. Prices have slightly risen.
		Buxar ...	4·39	
		Sasseram ...	3·10	
		Bhabuah ...	3·55	
	29	Durbhunga „ 8, '88	2 66	Weather—seasonable. *Bhadoi* crops are being harvested. Transplantation of rice progressing favourably. Indigo manufacture still going on. Common rice 16 seers per rupee on an average.
	30	Mozufferpur „ 8, '88	0·81	Weather—rainy in the first-half of the week; since cloudy and occasionally clear; wind variable. Prospects of crops favourable, except in Sitamarhi where more rain is wanted for paddy. Millet and maize being harvested.
		Hajipur ..	2 34	
		Sitamarhi ...	0·96	
	31	Sarun „ 8, '88	2·36	Weather—seasonable. Transplantation of paddy still going on. *Bhadoi* crops doing well.
		Sewan ...	1·63	
		Gopalgunge .	1·81	
	32	Chumparun „ 8 '88	1 56	Weather—cloudy. *Makai* and *murwa* doing well. Paddy in fair condition, but more rain will do good. Prices generally higher than those of the corresponding period of last year.
		Bettiah	2·21	
BHAGULPORE DIVN.	33	Monghyr „ 8, '88	5·73	Weather—seasonable; mostly cloudy and rainy. Prospects of winter rice favourable, except where damaged by heavy rain. The recent heavy floods from the Ganges have destroyed a considerable portion of *bhadoi* in the Begu-serai sub-division.
		Begusersi ...	3·70	
		Jamui ...	5·17	
	34	Bhagulpur „ 8, '88	0 89	Weather—seasonable. Prospects of crops generally good.
		Banka ...	2·98	
		Mudehpura ...	5 16	
		Soopole ..	4·65	
	35	Purneah „ 8, '88	1 68	Weather—fair with heavy showers. *Bhadoi* nearly reaped with a moderate outturn; jute good. *Aghani* backward for want of rain.
		Kishengunge ...	1·37	
		Arrareah .	1 14	
	36	Maldah „ 8, '88	2 27	Weather—fair with occasional showers. *Bhadoi* paddy being reaped; outturn expected to be 8 annas. Floods subsiding. Transplanting of winter rice almost finished. More rain would be beneficial in some parts.
		Chanchal ...	1·66	
		Shibgunge .	2·08	
	37	Sonthal Perghs „ 8, '88	0 85	Weather—still wet, but there has been a break in the rains. *Janera* and low *dhan* have been injured by too much rain. Prospects of rice favourable.
		Deoghur ...	4·43	
		Godda ...	1 88	
		Jamtara ...	2 66	
		Pakoor .	5·32	
		Rajmehal ...	1·24	
ORISSA				
ORISSA DIVN.	38	Cuttack „ 7, '88	3·77	Weather—warm. *Sarad* being transplanted. *Biali* rice ripening and being cut in places, but suffered a good deal in some parts of Jajpore and Kendra-para from the last flood. Common rice sells at 16½ seers per rupee in town.
	39	Pooree „ 6, '88	0 02	Weather—seasonable. Transplanting and weeding of winter crops (*sarad*) going on. *Biali* and *mandia* are being harvested. Relief is still being given gratuit[ous]ly and in advances under the Agriculturists' Loans Act and in miscellaneous improvement works, &c. Average price of common rice 19 seers per rupee in the Sudder sub-division and 17 seers 11 chittacks in the Khoordah sub-division.
		Khoordah .	1·19	
	40	Balasore „ 7, '88	5·01	Weather—warm and dry till yesterday (6th), when heavy rain fell. Outside the flooded tracts in the valley of the Subarnarekha and round Chandbally the crops seem generally to be doing well.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
CHOTA NAGPORE DIVN.	41	Hazaribagh Sept. 7, '88	3·07	Weather—seasonable; moderate rain. Excessive rain has injured Indian-corn severely in parts. Transplanting completed. Prospects of late rice very good.
	42	Lohardugga Sept. 8, '88	2·41	Weather—alternate: sunshine and rain throughout the week. All crops doing well in the Head-quarters sub-division. In the Palamow sub-division *bhadoi* is a failure, but paddy promises well. Prices stationary
		Palamow ...	0 43	
	43	Singbhoom „ 7, '88	2·13	Weather—seasonable; rain and sunshine alternately. *Bhadoi* being harvested. Rice very favourably reported on from all sides.
	44	Manbhoom „ 8, '88	4·89	Weather—alternate: sunshine and rain. Prospects of *jonar* and other autumn crops moderate. Outturn of *jonar* estimated at from 4 to 14 annas. Prospects of paddy good.
		Govindpur ...	2·44	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 11th September 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	12 12	12 8	15 0		No sale		15 0	15 0	17 0	19 8	20 4	23 4	...	...	...
2	Bankoora ...	13 8	13 8	15 0	15 8	15 0	20 0	17 8	17 0	17 8	18 4½	20 0	22 8	.	...	...
3	Beerbhoom ...	13 8	13 8	16 8	...	...	...	15 0	15 0	16 8	18 0	18 12	22 8	...	...	...
4	Midnapore ...	13 5	13 5	15 0	40 0	40 0	...	16 0	16 0	19 0	21 0	22 0	23 0	...	...	...
5	Hooghly .	14 0	14 0	14 0	...	...	...	10 0	10 0	10 0	...	18 0	16 0	...	...	...
	Howrah ...	Not	available.		...	...	...	12 8	13 0	13 4	17 12	19 0	18 8	...	...	...
	Central Districts.															
	Calcutta ..	13 1	13 2	14 4	18 3	19 1	19 14	11 6	11 5	8 12	17 10	17 8	16 4	17 12	17 12	19 12
6	24-Pergunnahs	13 4	14 0	14 0	18 8	20 0	26 8	8 0	8 0	8 0	17 8	18 0	16 13	...	...	...
7	Nuddea ...	14 3½	14 14	16 0	20 0	26 10½	36 0	14 8	14 8	15 4	21 8	17 8	17 10	...	...	...
8	Khoolna ...	...	...	...	...	...	...	16 0	16 0	17 0	19 0	19 8	20 0	...	...	...
9	Jessore ...	15 0	15 0	15 4	...	...	...	16 0	16 0	16 0	19 0	21 0	22 0	...	..	...
10	Moorshedabad	15 0	15 0	15 0	...	...	...	14 0	15 0	15 0	18 0	19 0	20 0	...	...	...
11	Dinagepore .	15 4	12 0	12 8	22 8	18 0	22 8	18 4	16 0	15 8	22 0	21 12	19 8	...	...	...
12	Rajshahye ...	15 12	16 8	18 0	45 0	45 0	45 0	15 0	15 12	16 8	19 2	19 8	19 14	...	...	...
13	Rungpore ...	17 12	17 12	18 12	...	...	...	13 0	13 0	14 8	20 0	20 0	20 0	...	...	...
14	Bogra ...	15 0	16 8	17 4	...	...	...	13 8	13 8	15 12	21 12	21 0	22 8	..	...	...
15	Pubna ...	18 12	18 12	18 6	...	...	...	8 0	8 0	8 0	19 6	19 8	22 8	...	...	...
16	Darjeeling ...	10 0	10 0	9 0	10 0	10 0	13 0	5 0	5 0	5 0	14 0	14 0	13 0	...	...	...
17	Julpigoree ...	14 0	13 0	12 0	20 0	20 0	20 0	12 0	18 0	18 0	19 0	20 0	20 0	...	...	...
	Eastern Districts.															
18	Dacca* ...	16 0	16 0	14 8	26 0	30 0	26 0	17 0	19 0	17 0	19 0	21 0	20 0	...	...	...
19	Furreedpore ...	18 0	18 0	14 0	25 0	30 0	24 0	15 0	15 0	19 0	20 0	20 0	22 0	...	...	...
20	Backergunge ...	...	...	...	...	...	...	15 4	16 0	16 0	18 4	18 10	19 0	...	...	...
21	Mymensingh ...	12 0	12 0	11 12	...	...	...	13 0	13 4	12 8	18 12	19 0	16 12	...	...	...

A In sub-divisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 10 seers 6 chittacks, and Raneegunge 10½ seers.
B At Rampore Hât retail price of salt 11¼ seers per rupee.
C In sub-divisions retail prices of salt per rupee are :—Ghattal 11¼ seers, Tumlook 8 seers.
D In sub-divisions retail prices of salt per rupee are :—Serampore 10¼ seers and Jehanabad 10 seers 13 chittacks.
D1 In sub-divisions retail prices of salt per rupee are :—Baraset, Bussirhat and Diamond Harbour (at Kulpihât) 9 seers, Barrackpore $9\frac{3}{16}$ seers, and Dum-Dum 10 seers.
E In sub-divisions retail prices of salt per rupee are :—Kooshtea, Chooadanga and Ranaghat 10 seers, and Meherpore 10½ seers.
F In sub-divisions retail prices of salt per rupee are :—Satkhira 9 seers 2½ chittacks and Bagirhat 8 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 31st August 1888.

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
															BENGAL
															Western Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Ch. S.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	No sale		22 0	23 8	27 9	120 0	120 0	120 0	A 11 0½	10 14½	13 12	3 8 3	3 8 6	2 13 6	Burdwan.
26 0	26 0	30 0	20 0	20 0	20 0	280 0	280 0	280 0	10 0	10 0	12 0	.....	......	3 3 0	Bankoora.
...	...	..	13 8	14 0	13 8	160 0	160 0	160 0	B 10 0	10 0	12 12	3 13 0	3 13 0	3 0 0	Beerbhoom.
...	...	..	14 0	14 0	13 0	120 0	120 0	155 0	C 10 8	10 8	13 0	3 12 0	3 12 0	3 1 0	Midnapore.
...	...	..	13 0	13 0	13 8	120 0	120 0	120 0	D 9 0	9 0	13 8	4 6 0	4 6 0	2 14 0	Hooghly.
...	...	...	13 4	13 4	14 8	100 0	100 0	100 0	10 0	10 0	12 13	3 10 0	3 10 0	2 14 0	Howrah.
															Central Districts.
16 14	17 8	17 8	18 4	18 11	18 0	96 4	95 0	80 0	10 10	10 10	13 0	3 7 6	3 7 6	3 0 0	Calcutta.
...	...		20 0	19 0	19 0	100 0	100 0	90 0	D1 0 8	10 8	13 0	3 7 0	3 7 6	2 15 0	24-Pergunnahs.
...	...	...	17 12	20 0	20 0	...	...		E 9 2	9 2	11 10½	3 14 0	4 0 0	3 0 0	Nuddea.
...	..	..	...	..	...	170 0	160 0	160 0	F 9 0	9 0	10 8	4 0 0	......	3 12 0	Khoolna.
...	...	...	20 0	22 0	20 0	100 0	100 0	100 0	G 10 10	10 8	10 12	3 14 0	3 14 0	3 2 0	Jessore.
...	...	...	20 0	20 0	20 0	200 0	200 0	190 0	H 10 8	10 8	12 0	3 12 0	3 12 0	3 5 0	Moorshedabad.
...	...	...	9 4	12 0	11 0	140 [illegible]	160 0	160 0	I 10 0	10 0	12 5	3 14 0	3 14 0	3 2 0	Dinagepore.
...	...	...	13 8	16 3	16 8	240 0	240 0	240 0	J 9 12	9 12	12 0	3 13 4	3 13 4	3 1 3	Rajshahye.
...	...	...	9 2	10 0	8 10	120 0	120 0	120 0	K 10 0	10 0	10 5	......	......	3 8 0	Rungpore.
...	...	...	...	...	..	90 0	90 0	96 0	9 12	9 12	12 0	3 13 4	4 0 0	3 4 0	Bogra.
...	...	...	21 0	24 0	18 12	200 0	200 0	200 0	L 10 0	10 0	12 0	......	......	3 5 0	Pubna.
20 0	20 0	16 0	8 0	8 0	8 0	120 0	120 0	120 0	M 8 0	8 0	9 0	......	......	4 4 0	Darjeeling.
20 0	16 0	20 0	11 0	11 0	12 0	128 0	128 0	128 0	N 9 0	9 0	11 0	4 0 0	4 4 0	3 6 0	Julpigoree.
															Eastern Districts.
...	...	...	16 0	16 0	18 0	120 0	120 0	120 0	O 8 8	8 8	12 8	4 4 0	4 4 0	3 3 0	Dacca.
...	...	...	...	..	...	120 0	120 0	160 0	9 0	10 6	12 0	4 5 0	3 14 0	3 1 0	Furreedpore.
...	...	...	11 7	12 5	12 0	100 0	120 0	120 0	P 10 0	10 0	12 8	......	.....	3 2 0	Backergunge.
...	...	...	16 0	11 12	16 0	...	...	...	Q 9 8	9 8	12 0	4 0 0	4 0 0	3 4 0	Mymensingh.

G In sub divisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura 10 seers, Narail 7½ seers, and Bongong 10 seers.
H In sub divisions retail prices of salt per rupee are :—Kandi 10 seers, Lalbagh 10½ seers.
I At Thakurgaon retail price of salt 8 seers per rupee.
J In sub-divisions retail prices of salt per rupee are :—Nattore 9¾ seers and Nowgong 9 seers 9 chittacks.
K In sub-divisions retail prices of salt per rupee are :—Kurigram 9 seers, Nilphamari 10 seers, and Gaibanda 7½ seers.
L At Serajgunge retail price of salt 10½ seers per rupee.
M At Silliguri retail price of salt 9 seers per rupee.
N At Fallacutta in the Alipore sub-division retail price of salt 8 seers per rupee.
O In sub-divisions retail prices of salt per rupee are :—Manickgunge 9 seers, Munshigunge 8¾ seers, and Naraingunge 10 seers.
P In sub-divisions retail prices of salt per rupee are :—Patuakhali 8 seers, Perozepore 9 seers.
Q In sub-divisions retail prices of salt per rupee are :—Keshoregunge, Jamalpore, and Sherpore, 8 seers, Attea 10 seers, and Netrokona 9 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (*Sorghum Vulgare.*) Present return.	Jowar or Cholum Next preceding return.	Jowar or Cholum Corresponding return of last year.
	Eastern Districts—concluded.															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	10 8	10 0	10 0	...	...	...	13 0	13 0	13 0	19 11	19 0	16 14	...	...	..
23	Noakholly ...	...	...	...	...	...	...	18 0	18 0	18 0	20 0	20 0	20 0	...	...	...
24	Tipperah ...	12 8	12 8	12 4	...	..	...	15 8	17 8	16 7½	20 0	22 0	25 1	..	..	..
25	Chittagong Hill Tracts.	...	...	...	...	...	...	10 0	13 5	13 5	11 6¾	16 0	14 8½	...	...	...
	Hill Tipperah...	8 0	8 0	12 0	...	...	...	10 0	12 0	12 0	20 0	22 0	18 0	...	..	...
	BEHAR.															
26	Patna ...	18 0	18 8	19 0	22 8	24 0	28 0	11 5½	11 0	11 8	18 0	17 8	21 *8	...	...	26 0
27	Gya ...	15 8	16 8	16 0	18 0	21 0	32 0	11 0	11 0	9 8	15 0	15 0	18 0	...	...	...
28	Shahabad ...	15 6	16 8	16 0	20 0	20 0	27 0	9 0	9 0	8 0	15 12	16 0	16 0	...		..
29	Durbhunga ...	16 8	15 12	17 9	25 5	25 4	38 7	12 1	13 4	13 0	15 6	15 4	17 9	...	...	...
30	Mozufforpore ..	16 0	16 0	20 0	25 0	25 0	30 0	12 0	12 0	12 0	16 0	16 0	20 0	...	...	...
31	Sarun ...	15 14	16 8	16 0	20 4	22 0	29 0	9 0	9 0	8 8	16 12	18 0	21 0	...	...	...
32	Chumparun ...	17 8	17 0	22 0	28 0	26 0	38 0	9 0	8 0	7 8	18 8	18 0	17 0	...	.	...
33	Monghyr ...	15 12	17 4	22 0	21 0	21 0	31 8	13 2	13 0	12 9	14 12	14 10	16 13	...*	...	...
34	Bhagulpore ...	15 12	16 12	20 13	22 11	21 12	35 5	13 14	13 14	16 6	16 6	16 12	20 3	.	..	...
35	Purneah ...	15 0	16 0	16 0	...	...	...	16 0	16 0	16 0	20 0	20 0	17 0	..	...	...
36	Maldah ...	17 0	17 4	16 0	...	...	...	13 5	13 5	13 0	20 5	19 0	23 0	...	...	...
37	Sonthal Perghs.	12 0	12 0	15 0	...	...	...	12 8	14 0	16 0	14 0	17 0	25 0	.	..	...
	ORISSA.															
38	Cuttack ...	15 12	15 12	13 2	...	...	...	10 8	10 8	10 8	17 1	17 1	18 6	.	...	...
39	Pooree ...	14 7	13 2	10 8	...	...	...	10 8	11 13	13 2	18 6	17 1	21 0	...	...	..
40	Balasore ...	13 0	13 0	13 0	13 0	13 0	13 0	13 0	13 0	15 0	21 6	22 0	25 0	.	...	..
	CHOTA NAGPORE. *South-West Frontier Agency*															
41	Hazaribagh ...	12 8	13 0	16 8	14 0	14 0	20 0	7 0	7 0	10 0	11 0	12 12	17 0	Not procurable		
42	Lohardugga ...	11 0	11 0	20 0	Not available		24 0	13 8	13 0	16 0	15 0	15 0	20 0	...	...	...
43	Singbhoom ...	14 0	12 0	20 9	20 0	16 0	32 0	12 0	12 0	20 0	16 0	18 0	24 0	...	..	...
44	Manbhoom ...	12 8	12 8	16 0	30 0	30 0	32 0	12 0	13 0	19 0	18 0	16 0	28 0	...	...	...

* Common rice at Jajpore and Kendrapara 23 seers 10 chittacks per rupee.
R At Cox's Bazar retail price of salt 8 seers per rupee.
S At Panchgachia hât retail price of salt 8 seers per rupee
T In sub-divisions retail prices of salt per rupee are :—Sasseram 10 seers, Buxar 10½ seers.

CALCUTTA,
The 31st August 1888.

Station Bazars of the Districts of Bengal on the 31st August 1888—(concluded).

Indian-corn or Maize. (*Zea Mays*).			Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															Eastern Districts—concluded.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	9 0	9 0	10 8	110 0	110 0	80 0	R 9 0	9 0	8 0	3 14 0	3 14 0	4 8 0	Chittagong.
...	...	...	...	...	...	...	...	...	S 8 0	8 0	9 0	4 8 0	4 8 0	3 12 0	Noakholly.
...	...	...	10 0	10 0	10 10	...	...	...	8 0	8 0	12 0	4 10 0	4 10 0	3 5 0	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	......	......	4 8 0	Chittagong Hill Tracts.
...	...	...	12 0	12 0	16 0	...	...	...	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
															BEHAR.
...	...	40 0	26 0	26 0	26 0	180 0	160 0	120 0	10 0	10 0	11 12	3 10 0	3 10 0	3 1 6	Patna.
...	...	...	22 0	21 8	21 0	220 0	200 0	150 0	9 8	9 8	11 0	4 4 0	4 4 0	3 5 0	Gya.
...	...	...	14 8	14 12	15 0	120 0	120 0	120 0	T 10 0	10 0	12 8	......	......	3 3 0	Shahabad.
22 0	22 0	38 7	26 6	24 8	22 0	176 0	160 0	176 0	U 11 0	10 0	12 0	3 10 2	3 10 0	3 0 0	Durbhunga.
25 0	24 0	28 0	26 0	27 0	20 0	160 0	180 0	120 0	V 10 0	10 0	12 0	3 12 0	3 12 0	3 4 0	Mozufferpore.
20 0	18 0	29 0	23 4	24 4	25 0	160 0	160 0	140 0	10 4	10 4	12 0	3 13 0	3 12 6	3 2 0	Sarun.
25 0	26 0	32 0	28 0	28 0	...	160 0	160 0	160 0	W 10 0	10 0	12 0	3 14 0	3 12 0	3 4 0	Chumparun.
22 9	26 4	36 12	23 10	23 2	22 0	126 0	126 0	105 0	X 10 0	10 8	12 9	3 14 6	3 12 0	3 0 0	Monghyr.
24 0	25 4	35 5	22 11	22 11	21 7	151 8	151 0	151 8	10 2	10 1	12 10	......	......	3 0 0	Bhagulpore.
No sale.			18 0	18 0	18 0	120 0	120 0	160 0	Y 9 0	9 0	10 8	......	4 6 0	3 8 0	Purneah.
...	...	...	...	...	...	160 0	120 0	120 0	9 8	9 8	12 0	4 0 0	4 0 0	3 4 0	Maldah.
...	22 0	38 0	20 0	20 0	26 0	200 0	200 0	200 0	9 0	9 8	11 0	4 2 0	3 14 6	3 4 6	Sonthal Perghs.
															ORISSA.
...	...	...	18 6	18 6	17 1	80 0	80 0	80 0	8 0	8 0	14 0	4 7 0	4 7 0	2 12 0	Cuttack.
...	...	...	13 2	10 8	14 7	80 0	80 0	70 0	9 3	9 3	14 7	4 0 0	4 0 0	2 10 0	Pooree.
...	...	...	13 0	14 0	13 0	140 0	160 0	160 0	Z 9 0	9 8	10 8	4 0 0	3 14 0	3 5 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
15 0	15 0	25 0	15 0 (small.)	12 8	21 8	320 0	320 0	320 0	8 0	8 0	10 8	4 5 0	4 5 0	3 4 0	Hazaribagh.
Not available.			18 0	19 0	28 0	140 0	140 0	120 0	Z1 7 8	8 0	9 12	5 0 0	4 12 0	4 0 0	Lohardugga.
...	...	...	20 0	18 0	20 0	240 0	240 0	320 0	6 8	6 8	9 0	5 8 0	5 8 0	4 0 0	Singbhoom.
26 0	26 0	...	19 0	19 0	22 0	200 0	200 0	240 0	Z2 8 0	8 0	10 10	4 6 0	4 6 0	3 8 0	Manbhoom.

U In sub-divisions retail prices of salt per rupee are :—Madhubani 9 seers and Tajpore 10 seers.
V At Hajipore retail price of salt 10 seers per rupee.
W At Bettiah retail price of salt 9 seers per rupee.
X In sub-divisions retail prices of salt per rupee are :—Begusarai 9½ seers and Jamui 9 seers.
Y In Kishengunge and Arrareah sub-divisions retail price of salt 9 seers per rupee.
Z At Bhudruck retail price of salt 9 seers per rupee.
Z1 At Daltongunge retail price of salt 8·44 seers per rupee.
Z2 At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 12 10	2 12 6	2 10 0	1 15 4	1 13 8	1 8 0	3 4 9	3 4 8	3 12 0	2 0 2	2 0 5	2 1 6
2	Serajgunge ...	1 14 0	1 14 0	1 14 0	...	...	...	3 4 0	3 4 0	3 10 0	2 2 0	1 14 0	1 10 0
3	Dacca ...	2 8	2 8 0	2 7 0	1 6 0	1 4 0	1 6 0	2 4 0	2 0 0	2 6 0	2 0 0	1 14 0	1 14 6
4	Naraingunge	...	...	...	...	...	...	2 4 0	2 0 0	2 8 0	2 0 0	1 12 0	2 6 0
5	Chittagong ...	3 4 0	3 8 0	3 7 0	...	...	...	2 12 0	2 12 0	3 0 0	2 0 0	2 0 0	2 4 0
6	Patna ...	2 3 0	2 2 0	2 0 0	1 11 6	1 10 0	1 5 3	3 7 0	3 4 0	3 0 0	2 3 0	2 3 0	1 14 0
7	Balasore ...	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	2 8 0	1 11 0	1 9 6	1 7 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	2 0 6	2 2 6	1 14 0
9	Cuttack ...	2 5 0	2 5 0	3 0 0	...	...	...	3 10 0	3 10 0	3 10 0	2 2 0	2 2 0	2 2 0

CALCUTTA,
The 11*th September* 1888.

undermentioned Marts of Bengal on the 31*st August* 1888.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 14 9	1 14 1	1 11 6	2 1 9	2 0 6	2 4 0	1 14 7	1 14 1	2 0 0	0 6 2	0 6 3	0 6 9	3 7 6	3 7 6	3 0 0	Calcutta.
2 5 0	2 4 0	1 14 0	...	...	...	...	...	...	...	...	...	3 10 0	3 10 0	2 10 0	Serajgunge.
2 4 0	2 5 0	1 14 0	...	...	...	2 6 0	2 6 0	2 0 0	0 5 0	0 5 0	0 5 0	4 4 0	4 0 0	3 3 0	Dacca.
2 4 0	2 4 0	1 12 0	...	...	...	2 8 0	2 8 0	2 10 0	0 8 0	0 10 0	0 8 0	3 12 0	3 12 0	2 15 0	Naraingunge.
2 14 0	2 14 0	2 4 0	...	...	...	4 0 0	4 4 0	3 12 0	0 6 0	0 5 0	0 8 0	3 14 0	3 14 0	4 8 0	Chittagong.
1 11 0	1 10 0	1 5 0	...	...	0 15 0	1 8 0	1 8 0	1 7 0	0 3 9	0 3 9	0 5 0	3 10 0	3 10 0	3 1 6	Patna.
2 6 0	2 4 0	2 6 0	...	...	...	3 0 0	2 14 0	3 0 0	0 5 0	0 4 3	0 4 6	4 0 0	3 14 0	3 5 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	4 0 0	4 0 0	2 10 0	Pooree.
(Kalai). 2 2 0	2 2 0	2 2 0	...	...	...	2 2 0	2 2 0	2 0 0	0 8 0	0 8 0	0 8 0	4 7 0	4 7 0	2 12 0	Cuttack.

Published for general information.

H. J. S. Cotton,
Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

NAMES OF MARTS.	STOCK IN HAND AS COMPILED ON—												
	1st week of Sept. 1887.	1st week of Oct. 1887.	1st week of Nov. 1887.	1st week of Dec. 1887.	1st week of Jan. 1888.	1st week of Feb. 1888.	1st week of Mar. 1888.	1st week of April 1888.	1st week of May 1888	1st week of June 1888.	1st week of July 1888.	1st week of August 1888	1st week of Sept. 1888.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	5,51,000	5,13,000	4,66,000	3,42,000	3,97,000	7,84,000	8,51,000	10,07,000	9,43,000	8,66,000	7,07,000	6,45,000	5,67,000
Ooltadanga	67,000	66,100	63,900	70,400	78,000	75,900	87,700	1,64,200	1,42,900	1,43,300	1,34,400	1,10,400	96,100
Chitpore, Golabaree, Coomertoolie, Hatkhola, and Ouliph Ghât.	5,29,500	6,14,500	6,12,100	6,27,800	5,74,800	4,82,200	6,06,100	6,61,500	6,73,100	6,46,900	6,17,600	5,90,800	5,60,500
Pathuriaghatta, Posta, and Jorabagan.	2,500	3,000	4,000	5,000	5,000	4,000	3,700	5,000	4,000	4,000	3,700	4,000	3,000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1,07,100	1,09,500	99,400	88,100	1,20,700	1,47,600	1,98,100	1,96,600	1,44,700	1,44,500	1,32,800	1,08,400	89,800
31 Minor Bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreswar, and Chandernagore.	51,262	40,759	30,616	21,031	27,629	12,194	9,277	12,842	13,210	15,687	14,455	51,616	34,012
Total ..	17,98,362	18,36,859	17,68,016	16,44,331	16,93,129	19,95,894	22,48,677	25,37,142	24,10,910	23,13 387	20,99,955	20,08,216	18,60,412
On Railway premises on both sides of the river.	18,830 (on 3rd September '87.)	6,732 (on 10th October 1887.)	7,616 (on 4th Nov. 1887.)	4,532 (on 5th Dec. 1887.)	15,026 (on 4th January '88.)	13,458 (on 3rd Feb. 1888.)	22,936 (on 3rd March 1888)	22,345 (on 4th April 1888)	8,290 (on 4th May 1888)	7,438 (on 4th June 1888.)	7,624 (on 4th July 1888.)	2 255 (on 4th August 1888.)	5,027 (on 4th September 1888.)
On boats unloaded ... By Port Commissioners' returns.	50,919 (1st to 3rd September '87.)	43,468 (4th to 6th October 1887.)	23,645 (1st to 3rd Nov. 1887.)	45,456 (1st to 3rd Dec. 1887.)	89,865 (on 3rd to 5th January '88)	83,731 (1st to 3rd Feb. 1888.)	70,553 (1st to 3rd March 1888.)	46,846 (1st to 3rd April 1888.)	14,021 (1st to 3rd May 1888.)	36,672 (1st to 3rd June 1888.)	34,187 (1st to 3rd July 1888.)	52,644 (1st to 3rd August 1888.)	46,697 (1st to 3rd September 1888.)
On boats unloaded ... By Canal returns	51,107 (1st to 3rd September '87.)	52,320 (1st to 3rd October 1887.)	45,191 (1st to 3rd Nov. 1887.)	51,327 (1st to 3rd Dec. 1887.)	1,42,639 (1st to 3rd January '88.)	2,13,833 (1st to 3rd Feb. 1888.)	1,91,087 (1st to 3rd March 1888.)	85,659 (1st to 3rd April 1888.)	46,728 (1st to 3rd May 1888.)	25,540 (1st to 3rd June 1888.)	28,366 (1st to 3rd July 1888.)	38,091 (1st to 3rd August 1888.)	52,215 (1st to 3rd September 1888.)
Grand Total of Stocks ...	19,21,318	19,39,367	18,42,468	17,45,646	19,40,659	23,06,916	25,33,453	26,91,992	24,79,949	23,83,087	21,72,732	20,93,206	19,64,351
Probable stock available for exportation by sea.	8¾ lakhs	8¾ lakhs	8 lakhs	7½ lakhs	9½ lakhs	12½ lakhs	14¼ lakhs	16½ lakhs	14¼ lakhs	13¾ lakhs	11¼ lakhs.	10½ lakhs.	9 lakhs

STATISTICAL DEPARTMENT,
The 10th September 1888.

H. J. S. COTTON,
Offg. Secretary to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of August 1888.

		Date	Hour
	Inches.		
The mean pressure of the month	29 543		
The average pressure of August from 24 years' registers ...	29 598		
The highest pressure in the month	29·700	26th	10h.
The lowest pressure in the month	29·293	24th	6h.
The range of pressure	0·407		
	Hours.		
The total number of hours of bright sunshine during the month	97 4		
The maximum possible number of hours of sunshine ...	398·4		
	⊖		
The mean temperature of the month	82 8		
The average temperature of August from 24 years' registers ...	83·1		
The highest temperature in the month	92·5	3rd	
The lowest temperature in the month	73 8	24th	
The range of temperature during the month	18·7		
The mean daily range of temperature	8·7		
The greatest range of temperature in one day	13·6	2nd	
	Per cent.		
The mean humidity of the month	88		
The average humidity of August from 24 years' registers ...	86		
	Inches.		
The mean vapour tension of the month	0·970		
The average vapour tension of August from 9 years' registers ...	1·002		
The mean cloud proportion of the month	8·46		
The average cloud proportion of August from 11 years' registers			
	Inches.		
The total rainfall of the month	26·02		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	24·56		
The average fall of August from 48 years' registers ...	13·94		
The greatest fall in 24 hours	9·96	24th	
	Days.		
The number of rainy days in the month	26		
The average number of rainy days in August from 24 years' registers	25		
	⊖		
The mean maximum equilibrium temperature of solar radiation during the month	141 2		
The mean difference of sun and air temperatures	54·6		
The greatest sun temperature	156·5	3rd	
The greatest excess of sun over air temperature	67·4	30th	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	76 4		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	1·5		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	3·0	5th	
	Miles.		
The mean movement of the wind per day	162·1		
The greatest movement of the wind in one day	437·0	25th	
The greatest movement of the wind in one hour	34·0	24th, 7 to 8 A.M.	

The number of hours with winds from each of the 8 points—

N. 15, NE. 37, E. 109, SE. 118, S. 163, SW. 240, W. 34, NW. 21, Calm 7.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0·6° higher; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 10th September 1888.

Meteorological Report of the Province of

District.	Representative stations.	Air Pressure: Highest, 10 A.M., barometer reading of month.	Air Pressure: Lowest, 10 A.M., barometer reading of month.	Air Pressure: Mean, 10 A.M., for month.	Air Pressure: Mean reduced to sea-level.	Air Pressure: Variation from normal mean.	Temperature: Highest of month.	Temperature: Lowest of month.	Temperature: Mean daily maximum temperature.	Temperature: Mean daily minimum temperature.	Temperature: Mean daily temperature.	Temperature: Variation from normal mean.	Humidity: Mean, 10 A.M., humidity.	Humidity: Variation from normal mean.	Cloud: Mean cloud amount, 10 A.M.	Cloud: Variation from normal mean, 10 A.M.	Rainfall.
	Pooree	29·741	29·515	29·633	29·614	—	92·3	75·1	87·0	80·2	83·6	—	90	—	7·7	—	14·37
Pooree	Gopalpore	29·712	29·408	29·609	29·659	—·023	89·2	76·8	85·2	80·0	82·6	—0·7	83	—	5·1	—	11·47
	False Point	29·725	29·508	29·623	29·645	—·026	90·0	73·1	86·0	77·5	81·8	—1·2	81	—4	8·9	+1·2	18·39
Cuttack ...	Cuttack	29·679	29·444	29·563	29·644	—·026	97·9	74·3	88·4	78·0	83·2	—0·6	77	—4	8·3	+1·2	23·57
Balasore ...	Balasore	29·660	29·458	29·563	29·625	—·035	93·4	74·8	87·0	77·6	82·3	+0·2	87	—	8·6	—	22·20
South-West Midnapore and South 24-Pergunnahs.	Saugor Island ..	29·698	29·412	29·591	29·617	—·057	91·6	74·5	86·4	79·9	83·1	—0·4	84	+1	9·1	+1·6	30·69
Midnapore ...	Midnapore	29·577	29·355	29·482	29·633	—·040	93·8	74·3	87·7	77·5	82·6	—0·3	83		5·1		21·96
24-Pergunnahs, Howrah and Hooghly.	Calcutta	29·700	29·398	29·584	29·606	—·055	92·5	73·7	86·4	77·8	82·2	—0·5	85	—4	9·2	+1·0	25·21
Burdwan	Burdwan	29·613	29·287	29·408	29·598	—·069	94·6	75·9	89·3	78·7	84·0	—0·2	86	—1	8·8	+0·6	14·14
Bankoora ...	Bankoora ..	29·410	29·179	29·303	—	—	95·6	74·1	87·4	77·5	82·4	—	83	—	7·6	—	16·95
West Burdwan and Beerbhoom.	Raniguni	29·387	29·157	29·272	29·579	—·041	94·0	74·9	87·0	77·6	82·6	—0·6	85	—	7·9	—	20·47
Moorshedabad	Berhampore	29·673	29·353	29·543	29·610	—·062	92·2	75·3	87·0	78·1	82·9	—1·5	88	+1	9·2	+0·4	14·86
Nuddea ...	Krishnagore	29·674	29·288	29·563	29·629	—·036	93·8	75·3	87·0	77·9	82·8	—0·3	84		8·5		26·78
Jessore and Khoolna	Jessore	29·697	29·408	29·592	29·625	—·050	94·3	74·9	87·6	78·9	83·3	—0·5	87	0	9·2	+1·2	14·60
Chittagong	Chittagong	29·756	29·500	29·619	29·708	—·024	90·1	72·0	84·9	75·9	80·4	—1·2	86	—2	7·2	—0·1	33·13
Chittagong Hill Tracts	Demagri																
Backergunj	Barrisal	29·755	29·508	29·642	29·654	—·017	92·3	72·9	85·6	77·8	81·7	+0·4	88	—	8·7	—	18[illegible]
Noakholly	Noakholly	29·747	29·555	29·646	29·689	—·018	89·3	71·8	84·4	77·0	80·7	—0·4	87	—	8·7	—	3[illegible]
Furreedpore	Furreedpore ..	29·713	29·590	29·616	29·655	—·030	90·5	75·4	85·6	78·6	82·1	—0·4	87	—	6·7	—	13[illegible]
Dacca	Dacca	29·725	29·499	29·629	29·643	—·040	91·6	75·1	86·7	78·8	82·8	—0·7	85	—2	8·9	+1·1	16·[illegible]
Commillah	Commillah ..	29·752	29·522	29·638	29·674	—·027	93·3	70·8	86·0	76·8	81·4	—0·3	82	—	5·3	—	26·76
Mymensingh	Mymensingh ..	29·712	29·406	29·608	29·665	—·027	90·8	74·6	87·1	77·7	82·4	—0·1	85	—	7·9	—	14·40
Bogra	Bogra ..	29·672	29·448	29·559	29·621	--	92·8	74·3	88·1	77·8	83·0	--	83	—	7·6	—	11·63
Pubna	Serajgunj ...	29·693	29·493	29·590	29·637	—·045	90·1	74·7	87·2	78·6	82·9	+0·1	85	—	7·5		10·00
Rajshahye	Rampore Beauleah.	29·675	29·412	29·551	29·621	—·026	91·8	74·6	87·2	78·2	82·7	0	83		5·4		9·79
Maldah	Maldah ...	29·654	29·418	29·530	—	—	92·9	75·3	90·2	78·7	84·5	—	84	—	6·0	—	21·27
Dinagepore	Dinagepore ..	29·646	29·405	29·514	29·638	—·019	91·6	74·6	89·0	78·4	83·7	+0·4	82	—	7·3	—	11·64
Rungpore	Rungpore ..	29·614	29·395	29·527	29·651	—·035	92·8	69·7	89·9	77·6	83·8	—	85	—	5·0	—	12·55
Julpigoree and Cooch Behar.	Julpigoree ..	29·496	29·276	29·366	29·654	—·024	92·0	72·8	88·7	76·2	82·4	+0·4	88	—	2·7	—	16·75
Darjeeling Hill Tracts ..	Darjeeling ...	23·014	22·840	22·921	—	—·001	71·6	53·6	65·4	55·0	60·2	+0·1	95	—1	8·8	+0·2	23·18
Purneah and North Bhagulpore.	Purneah ...	29·635	29·397	29·505	29·631	—·026	93·2	71·6	89·2	75·6	82·4	—1·6	84	—1	5·6	—1·5	14·25
Mozufferpore	Mozufferpore ...																
Durbhunga	Durbhunga ...	29·569	29·322	29·456	29·622	—·017	93·4	74·9	89·4	80·0	84·7	+1·0	79	—5	6·3	0	6·70
Chumparun	Motihari ...	29·489	29·258	29·386	29·612	—·021	94·2	73·3	91·0	77·8	84·4	+1·0	72	—	8·0	—	6·25
Sarun	Chupra ...	29·522	29·283	29·414	29·608	—·029	90·5	74·6	85·6	78·4	82·0	—2·0	81	—	6·3	—	13·97
	Dehree ...	29·346	29·114	29·245	29·598	—·047	91·8	74·0	88·0	78·1	83·1	+0·6	83	—	5·1	—	15·69
Shahabad	Buxar ...	29·473	29·219	29·362	29·604	—·034	92·0	73·8	88·0	78·5	83·3	—0·4	81	—	7·7	—	12·96
	Arrah ...	29·504	29·277	29·410	29·607	—·020	93·4	74·1	88·6	78·3	83·5	—0·7	84	—	8·0	—	15·95
Gya	Gya ...	29·297	29·062	29·213	29·590	—·063	93·4	73·3	88·8	77·7	83·3	—0·8	77	—4	6·9	—1·6	28·71
Patna	Bankipore ..	29·540	29·293	29·429	29·612	—·041	96·0	75·2	88·8	79·1	84·0	—0·8	84	+2	8·6	+0·7	17·15
South Bhagulpore and Monghyr.	Bhagulpore ...	29·569	29·333	29·444	29·606	—·028	94·2	75·0	88·6	78·3	84·5	—0·2	82	—	4·7	—	14·91
Sonthal Pergunnahs ...	Naya Doomka...	29·2[illegible]7	29·050	29·129	—	+·006	93·2	74·2	87·0	77·0	82·0	—0·3	88	—	6·6	—	26·85
Hazaribagh	Hazaribagh ...	27·699	27·502	27·620	29·619	—·040	87·5	69·7	82·0	72·6	77·3	—1·2	87	+2	9·8	+1·2	25·63
Lohardugga	Ranchee ...	27·580	27·375	27·501	29·613	—·034	88·0	69·4	84·1	72·0	77·0	—0·3	84	—	9·4	—	19·17
Manbhoom																	
Singbhoom	Chyebassa ..	28·916	28·720	28·830	—	-·011	93·4	74·1	87·1	76·7	81·9	—0·3	81	—	5·0	—	18·42
	Sibsagar ...	29·573	29·275	29·385	29·718	-·009	94·6	70·0	90·3	78·4	84·4	+0·5	89	+5	8·8	+0·2	8·50
Assam	Dhubri ..	·679	·420	·550	·667	—·033	90·7	74·8	87·1	77·8	82·5	—0·1	84	—2	7·2	—0·1	15·45
	Silchar ...	·735	·455	·594	·699	—·047	95·6	75·3	90·1	77·1	83·6	+0·7	88	—4	8·9	+1·2	23·23

Bengal for the month of August 1888.

DISTRICT OBSERVATIONS.												
RAINFALL.										Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
Of month.					Since 15th May.							
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
15·35	11 76	+3·59	19·8	19·6	28·67	34·08	−5·41	40 8	51·7	Phoree		ORISSA.
—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree	
—	—	—	—	—	—	—	—	—	—	False Point ...		
24·97	10·02	+14·35	23·0	18·0	38·83	34·37	+3·06	55·7	52·2	Cuttack ..	Cuttack	
19·90	11·27	+8 63	19 0	18·1	39·41	35·22	+4·19	47·2	52·3	Balasore ...	Balasore	
28·84	14·31	+14·53	21·3	20 1	42·94	41 83	+1·11	40 9	58·4	Saugor Island .	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
24·66	13·93	+10·73	22 0	17·6	49·36	38 18	+11·18	55·3	51·3	Midnapore ...	Midnapore	
24·45	12·93	+11·52	22·6	21 6	50·66	37·86	+12·80	59·5	63·7	Calcutta	24-Pergunnahs, Howrah, and Hooghly.	
20·67	12·10	+8·57	22·3	18 4	45·87	34 18	+11 69	58·6	54·1	Burdwan ...	Burdwan	
19·47	14·27	+5·20	22 5	19 9	44·54	39·27	+5·27	57·8	58·5	Bankoora ..	Bankoora	
22·45	13·10	+9·35	24·8	20 3	47·06	37·54	+9·52	62 7	59·8	Ranigunj ...	West Burdwan and Beerbhoom.	
14·79	11·88	+2 91	21·0	18·6	36·44	35·07	+1 37	59·7	57·9	Berhampore ..	Moorshedabad	
19·56	12·03	+7 53	21·8	18 2	43·73	35·49	+8 23	58·8	56·1	Krishnagore ..	Nuddea	
12·72	11·96	+0 76	21·6	18 8	36·00	38 73	−2 73	56·6	61·1	Jessore ...	Jessore and Khoolna ...	
41·53	23·4	+18 08	28·0	23 5	107 53	89·41	+18·12	70·0	76·5	Chittagong ..	Chittagong	EAST BENGAL.
31·18	16·29	+14·89	25·0	24 7	57 21	58·12	−0·91	75·5	77·8	Demagri .	Chittagong Hill Tracts	
25·72	15 61	+10·11	25·0	28·6	56·83	56 87	−0·04	65·4	75·5	Barrisal	Backergunj	
31·71	24·67	+7 04	26·5	24·6	80 78	80 01	+0·77	76·5	73·7	Noakholly .	Noakholly	
13·48	12 06	+1·42	19·7	19 5	39 30	40·84	−1·54	53·7	63·0	Furreedpore ...	Furreedpore	
13·70	12·93	+0·77	21·8	21 3	46·09	43 56	+2·53	63·6	66·7	Dacca ...	Dacca	
18·24	16·12	+2·12	21·0	21·8	49 03	50 92	−1·89	61·3	69·2	Commillah ...	Commillah	
13·82	13 79	+0 03	21·8	19·8	52·86	48 01	+1·56	71·2	64·0	Mymensingh .	Mymensingh	
11·38	11·63	−0·25	19·8	17·8	36 18	41·58	−5·40	58 6	56 5	Bogra ..	Bogra	NORTH BENGAL.
10·70	12·01	−1·31	23·5	17·6	35·79	37·53	−7·74	70·5	57·7	Serajgunj	Pubna	
11·72	12·10	−0·38	21 0	18 7	31·50	37·16	−5·66	61 5	51·8	Rampore Beauleah.	Rajshahye	
15 87	12·02	+3·85	19·5	20·4	31·69	38 70	−7·01	57·0	60·6	Maldah ...	Maldah	
11·52	11 50	+0·02	20 2	19·5	38·33	41·75	−3·42	56 5	57 6	Dinagepore ...	Dinagepore	
10·16	12·07	−1·91	15·3	16·4	46·26	54 76	−8·50	60·1	55 8	Rungpore .	Rungpore	
15·99	22·92	−6·93	19·2	20 7	75·74	82·96	−7·22	1·4	71·5	Julpigoree ...	Julpigoree and Cooch Behar.	
20·26	27·96	−7·70	26·5	24·7	81 24	95·00	−13·76	89·3	81·9	Darjeeling .	Darjeeling Hill Tracts ..	
10·52	13·68	−2·86	18 4	17·9	40 47	42 00	−1·53	54·2	51·1	Purneah .	Purneah and North Bhagulpore.	NORTH BEHAR.
11·13	10·08	+1·05	17·3	15 3	35·44	30 28	+5 16	45·0	41·0	Mozufferpore ..	Mozufferpore	
9·85	10·75	−0·90	17 3	15·4	33 21	31·74	+1·47	45 4	41·6	Durbhunga	Durbhunga	
8·22	11·94	−3 72	15·5	14 4	33·14	33·05	+0 09	47·0	39·5	Motihari ...	Chumparun	
12·22	10 24	+1 98	15·3	14·7	28·94	30·13	−1 19	42 6	41·1	Chupra ...	Sarun	
										Dehree ..		SOUTH BEHAR.
16 49	11·09	+5·40	19·2	15·1	33·17	28 31	+4·86	44·2	42 3	Buxar ..	Shahabad	
—										Arrah ..		
24 70	11·73	+12·97	22·0	14 6	42·28	30·85	+11 43	40 8	40 8	Gya .	Gya	
18·60	10 48	+8·12	21·5	14·9	40·85	30·10	+10·75	48 8	43·0	Bankipore ..	Patna	
18·74	11·06	+7 68	23·4	16 5	40·60	31·22	+9 38	55·4	47·5	Bhagulpore ...	South Bhagulpore and Monghyr.	
22·29	11·92	+10·37	25 0	18·4	44·31	36·16	+8·15	63·1	54·5	Naya Doomka .	Sonthal Pergunnahs ...	
	13·25			20 1		36 82			57·2	Hazaribagh ...	Hazaribagh	CHUTIA NAGPUR.
19·39	12·67	+6 72	26 3	21 5	41·73	35 52	+6·21	61·2	59·8	Ranchee	Lohardugga	
17·88	13·20	+4·68	27·5	20·6	37·84	35·01	+2·83	69·5	60·0		Manbhoom	
17·25	13·83	+3 42	20·0	22 1	34·42	38 97	−4 55	55·0	64·5	Chyebassa ...	Singbhoom .. .	
......	......	......	......	......	......	......	......	......	......	Sibsagar ..		ASSAM.
......	......	......	......	......	......	......	......	......	......	Dhubri	Assam	
......	......	......	......	......	......	......	......	......	......	Silchar		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Poorre ...	...	...	...	0·35	4·80	...	...	0·28	2·80	0·15	..	...	...	...	1·00	0·28	...	...	0·02	0·06
		Khurdah ...	0·01	0·05	...	..	1 78	0·53	..	0·05	0·31	1·68	0·35	0·05	...	1·47	0·57	0·20	0·16	0·45	0·05	0·65
		Banpur ...	0·20	...	0·04	2·44	1·54	...	0·20	0·13	..	1·10	..	0·04	0·65	0·32	0·30	...	...	...	...	0·30
		False Point ...	1·46	...	..	0·13	1·87	...	0 35	0·57	0·24	0·35	...	0·05	...	0·12	0·74	0·52	0·05	0·41	0·08	1·20
		Gop ...	...	...	0 17	2·50	1·32	...	...	0·40	1·35	0·15	0·15	...	...	0·68	0·34	2·60	...	0·90	0·58	2·80
		Pipli ...	...	...	...	.	3·00	...	...	..	1·00	1·00	0·30	...	1·50	1·20	0·30	1·00	0·30	...	0·50	2·20
	Cuttack ..	Jagatsingpore	5·92	...	0 06	0·50	1·50	..	0·17	1·00	0·20	2·30	0·12	0·07	..	..	0·20	...	0·62	0·07	0·53	2·88
		Banki ...	...	...	...	0·07	1 44	0·04	0·02	0·04	0·12	0·04	0·02	...	0·02	0·27	1·07	0·47	...	...	0·21	0·92
		Cuttack ...	0·17	..	...	0·10	1 80	0·34	0·51	0·40	1·35	2·28	0·07	0·10	0·06	1·11	0 32	0 71	0·11	0·13	0·41	0·83
		Kendrapara ..	0·25	. .	...	0·77	1·13	0·03	...	0·38	1·38	0 10	..	0·14	..	0·80	0·75	2·45	0·21	0·26	0·82	1·02
		Jajpore ...	3·84	...	...	0·70	0·42	0·16	0·24	0·30	3·15	0·20	0·15	...	1·20	..	0·25	1 15	...	...	0·45	1·10
		Dharmsalla ...	...	...	...	0 20	0·40	0·30	...	0 70	0·30	0 50	...	1·50	0·10	0·80	0·20	1·25	...	0·15	0·20	...
		Salipore ...	0·73	...	...	1·40	2·40	...	...	0 74	4·00	0·50	. .	0 80	..	2·00	0·23	0·70	...	...	0·20	2·50
	Balasore ...	Chandbali ...	0·80	...	0·70	0·19	1·20	0 80	0·83	1·20	1·00	1·40	0·45	0·60	0 30	...	1·30	0·50	0·60	...	0·50	1·60
		Bhuddruck ...	1·17	...	...	0·37	0·13	0·18	0·51	0·56	1·83	0·14	1·10	0·28	...	0·83	....	0·17	...	...	0·44	3 11
		Sorah ..	1·46	. .	...	0·22	...	0·39	.	0·64	0·40	2·06	..	.	...	...	...	...	...	...	2·92	0·08
		Balasore ...	0·96	...	.	2·75	0·12	0·06	0·29	0·20	4·36	0·15	0·04	...	...	...	...	0·12	...	0·62	1·14	...
		Jellasore ...	...	...	1·30	2·20	0·20	..	0 50	0·30	1·30	. .	1·11	...	...	...	0·70	0·05	...	...	2·75	0·05
		Baripodah ...	...	0·25	1 24	0·23	0·60	0·11	0·09	0·59	0·60	0·59	0·04	..	...	...	...	0·32	...	1·48	0·97	0·04
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	1·29	...	..	..	0 20	0·15	0·07	...	1·50	0·03	0 33	0·42	...	...	1·03	0·19	...	...	1·40	0·42
		Saugor Island	0·28	...	...	0·35	0·05	0·29	0·06	0·12	1·12	0·07	1·61	0·80	0·15	...	0·04	0·23	0 02	0·02	1·16	0·95
		Tumlook ..	0·20	..	...	.	0·90	..	..	0·40	0 20	0·60	2·30	...	...	...	2·50	3·50	. .	...	0·60	...
		Midnapore ...	0·25	0·18	...	2·70	0·06	0·71	0·24	0·26	1·42	0·15	0·38	..	0 04	...	1·13	1·00	...	...	0·75	0·42
		Ghatal ...	0·08	. .	..	1 58	0·15	0·40	0·10	0 41	0 61	0 03	0 20	...	0 16	0·09	1·01	1·26	0·38	0·06	0·04	0·03
		Kukrahaty ...	0·37	...		0·09	0·50	..	...	0·25	0·21	0·48	3·41	0·12	...	...	2·42	4·82	...	..	1·48	0·16
		Heria	0 93	...	0 09	0·24	0·26	0 04	...	0 12	0·88	0·21	0·33	0·11	...	...	0·52	0 68	0·10	...	0·19	0·17
		Bhagwanpore	..	. .	...	...	0·49	0·39	...	0·52	1·05	0·54	0·58	...	...	0·33	1·50	3·00	...	...	0·50	1·57
		Garbeta ...	0·45	...	...	...	...	0·45	0·50	0·92	0·60	...	0 48	...	..	2·17	1 17	1·61	...	0·74	4·12	1·01
	24-Pergunnahs	Diamond Harbour.	0 71	..	. .	...	0 30	0·06	0·07	0·07	0·50	0·84	4 30	0·30	..	...	1·87	3 27	0·26	...	0·39	1·17
		Canning Town	1·11	...	..	0 24	0 10	0·07	0·08	0·01	0·13	0·33	0·41	0·30	2 56	0·03	4·05	4·10	0·25	0·70	1·50	0·04
		Alipore Jail ...	0·09	. .	..	...	0·09	0·37	0 22	0·68	0·04	0 26	1·70	0·07	...	..	5·15	0·92	0·06	0·12	0 23	0·12
		Barrackpore ..	...	...	.	..	0·43	0 09	...	0·19	0·09	0 95	0·60	0 31	...	. .	3·84	1·42	0·08	...	0·37	...
		Dum-Dum ...	...	..	0 26	0·18	0 57	0 04	0 22	0·23	0·32	0·8.	1·28	0·10	...	..	2 75	0·55	.	0·02	0·59	..
		Baraset ...	..	0·24	1·79	..	1·53	0 07	.	0·10	0·14	0·14	1·15	0·12	0·05	0 60	1·80	0·63	0·15	0·06	0 37	0·37
		Busserhat .	0·23	..	...	...	0·17	0·27	0·16	...	0·21	0 81	0·19	0·22	0 ·0	..	3·49	0·54	0 51	...	1·15	0 58
	Howrah ...	Howrah ...	0·08	...	..	..	.	0·24	0 19	0·36	0·12	0·36	1·56	0·09	..	..	3·75	0·72	0 07	....	0·43	0·06
		Mohesreka (*Oolooberiah*).	0 18	..	..	1·28	0·10	0·13	0 15	..	0·25	0·20	1·58	..	...	0·70	5·50	0·85	...	0·68	0·21	0·44
	Hooghly ...	Serampore ...	0·05	...	0·03	...	0·27	0·14	0·19	0·28	0·13	0·61	1·42	0·04	0·08	1·32	2·46	1·42	0·11	. .	0·23	0·36
		Hooghly ..	0·01	...	...	.	0·17	0·31	0·32	..	0·07	0·42	1·37	0·02	.	0·87	3·09	2·72	1·09	0·07	0·87	0·15
		Jehanabad ...	0·05	.	...	0·69	0·16	0·79	0·04	0·34	0·06	0·02	0·66	...	0·50	0·40	2·20	1·00	0·05	...	2 00	0·25
	Burdwan ...	Culna	0·22	...	. .	..	0·40	0·13	...	0·11	0·05	0 13	0·09	..	0·52	2·22	1·21	1·83	..	...	2·00	0·45
		Burdwan ..	0 04	...	...	0·21		0·30	0·19	0·16	..	0·10	0·70	0 05	...	0·10	0·89	0·45	1·11	0·26	0·53	0·78
		Cutwa ..	..			1 26	0·04	0·15	0·05	0 35	0·03	..	0·50	...	0·03	0·88	3·59	0·07	2·63	0·79	0·71	1·47
		Raneegunge ..	0·75	0·01	...	0·14	..	0·25	0 14	0·14	0·84	0·19	0·05	0 14	0·02	0·30	3·74	0·22	0·86	0·07	0·08	4·45
		Mankur ...	..	...	0·31	...	...	..	0·35	...	0·35	...	0·41	...	.	1 35	1·42	...	1·48	0·44	...	0·41
	Bankoora ...	Baukoora ...	0·24	0 03	...	0·11	0 11	0·07	0·70	...	0·60	0·10	..	0·65	...	0·40	1·10	0·89	0·07	...	0·50	1·83
		Bishenpore ...	0·27	...	.	...	..	0·21	0·20	0·34	0·19	0 20	0·15	..	...	0·92	1 73	0·50	0·16	0.05	4·85	1·95
		Maliara ..	0·29	0·19	...	...	..	0·29	0·11	0·46	0·54	...	..	0·21	...	1·21	2·33	1·04	0·81	...	0·58	0·77
		Khatra ...	0·02	.	.	..	0·25	0·62	1·00	.	0·81	...	...	...	0·40	0·12	1·55	2·00	...	0·50	0·88	3·62
		Indas . .	0·50	..	0·26	..	...	0 45	0 70	0·51	0·14	0·25	...	0·11	...	0·49	0·71	0·70	...	0·07	0·95	0·57
		Kotalpore ...	0·72	...	.	0·36	..	0 23	0·21	.	...	...	0·65	0·12	0·06	.	1·52	1·20	0·05	1·55	1 64	0·76
		Anda	..	...	.	.	..	...	.	0·60	...	0·20	0·28	.	...	0·10	1·20	0·81	0·05	0·05	2·40	0·32
		Gangajalghati	...	...	0·75	0·24	...	0·37	0·30	0·15	. .	...	..	0·63	...	0·18	1 70	0·80	0·42	0·21	...	1·50
		Raipore ...	0·27	0 09	..	1·45	..	0·45	0·58	0·05	0·38	...	0·45	...	0·42	0·25	0·73	1·03	1·23	1·02	1·29	2·38
		Sonamukhi ...	0·06	...	...	...	0 52	0·11	0·90	0·22	0·04	0·03	0·28	...	...	1·19	0·70	0·43	0 37	0·04	0·08	1·35
	Beerbhoom ...	Sh. Soory ...	0·64	...	. .	..	0·04	0·18	...	0·12	0·04	0·47	0·27	0·02	2·04	0·06	5·64	0·18	0·74	1·37	0·35	1·63
		Hetampore .	...	...	. .	0·10	0·23	0·22	.	0·21	...	0·14	0 37	1·34	...	4·45	0·83	0·70	1·05	0·83	3·42	1·41
		Rampore Haut	0 64	...	. .	0·13	0·15	...	0·11	0·43	0·09	...	.	2 64	1·98	2·75	9·88	0·15	0 38	0·64	0·07	0·83
		Bolpur ...	..*	...	. .	0·09	...	.	0 47	..	0·34	0·09	0·33	0·12	...	1·80	3·51	0·40	0·59	1·98	0·22	1·19
		Murarai ...	1·11	...	0·30	0·15	0 33	0 09	0·15	0·30	0·16	..	...	2·56	.	0·50	4·45	0·15	0·30	2·26	0·58	0·20
	Nuddea ...	Ranaghat ...	0·04	...	...	..	1·41	0 07	0·02	0·02	0·46	0·17	0·13	0·07	...	0·49	0·99	0·96	0·91	0·09	0·99	0·98
		Kishnaghur ...	0·24	...	...	.	0·68	0·65	0·05	0·05	0·03	0·24	1·04	..	1·16	0·78	...	0·50	3·69	0·06	1·76	1·41
		Chooadanga ..	..	...	..	1·40	0·65	...	.	...	0·20	...	0·63	0·12	..	3 30	5 60	...	0·40	...	0·20	1·10
		Meherpore ...	0·70	...	...	0·85	0·76	..	0·08	...	0·14	0·23	0·26	...	0·06	0·59	6·30	0·07	0·07	0·44	0·03	0·64
		Kooshtea ..	0·49	...	...	...	0·28	0·21	...	0·23	...	0·14	0·03	0·08	0·04	2·60	2·22	0·11	1·11	0·81	0·03	0·30
	Khoolna ..	Satkhira ...	0·25	. .	0·02	0·04	0·06	0·02	0·03	0·12	0·03	0·62	0·40	0·90	0·20	...	2·20	0·50	0·70	0·03	0·62	1·14
		Bagirhat ...	0·28		...	...	...	0·17	...	..	0·16	0·17	.	2·11	0·87	3·65	2·63	0·54	2·67	0·08	0·35	...
		Khoolna ...	0·19	0·17	. .	..	...	0·30	...	...	0·25	1·51	0·03	0·40	1·24	1·80	0·41	0·48	1·87	...	...	...
	Jessore ...	Narail ...	...	...	...	0·22	...	0·11	0·02	0·03	...	0·03	0·21	0·77	0·16	0·50	0·06	1·26	0·77	0·03	...	0·04
		Jessore ...	0·20		..	0·02	0·24	0·30	0·12	0·27	0·04	0·18	0·29	0·41	0·40	0·66	1 51	0·75	0·87	0·08	0·85	0·16
		Jhenidah ...	0·47	0·11	1·23	0 05	...	0·10	...	...	...	...	0·43	0·20	...	2·25	1·13	...	0·72	0·23	0·14	0.18
		Magoorah ...	0 47	0·13	...	..	..		0·17	0·19	..	0·06	0·16	0·41	0·74	0·37	2·49	0·20	0·45	0·13	0·76	0·20
		Bongong ...	0·45	...	...	...	1·00	0·30	...	...	0·16	...	...	0·30	...	...	...	0·75	1·65	0·85	0·10	1·65
	Moorshedabad	Kandi ...	0 20	...	...	...	..	..	...	...	0·17	...	...	0·10	...	...	1·78	0·43	...	2·56	...	1·63
		Berhampore...	0·08	...	...	0·10	0·21	0·04	0·02	0·21	...	...	0·54	0·27	...	0·10	3·90	0·90	0·35	0·15	0·10	1·42
		Lalbagh ..	0·17	...	...	0·17	0·21	0·02	...	0·15	...	...	...	0·04	0·16	0·02	4·68	0 85	0·12	0·20	0·09	1·53
		Azimgunge ...	0·30	.	...	0·58	0·34	0·21	...	0·04	...	...	...	0·42	0·02	...	3·24	0·09	0·04	0·14	...	2·30
		Jungipore ...	0·01	0·04	...	...	0 22	...	0·03	0·17	0·15	0 02	0 05	0 45	0·44	0·46	5·04	0·12	0·22	0·76	0·21	0·61
		Lalgola ..	0·60	..	...	..	0·60	...	...	0·20	...	0·35	0·30	0·75	...	...	7·52	0·35	0·63	...	0·49	1·20
		Jaigunge ..	0·23	...	...	0·17	0 35	0·23	...	...	...	..	...	0·40	...	...	2·68	0·11	0·03	0·16	...	2·35
		Akhriganj ..	0 20	...	...	..	0·27	...	...	0·36	0·08	0·16	0·03	1·00	...	...	0·83	0·37	0·15	0·37	...	0·62
		Pelkahari ...	0·15	...	0 25	0·50	. .	...	...	...	..	0·20	1·00	1·40	...	1·40	0·30	0·23	0·50	...	0·25	0·50
EAST BENGAL	Chittagong ...	Cox's Bazar ...	2·00	0·59	1·11	0·45	..	0·75	0·47	0·15	0·77	1·69	1 53	2·15	0·45	1·45	3·43	3·95	3·75	0·43	0·07	0·43
		Chittagong ..	0·20	0·60	0 50	0·06	.	. .	...	0·15	0·08	..	0·46	4·14	1·37	5·96	4·55	0·97	1·01	0·27	0·08	0·25
		Kutubdia ...	0·77	0·73	0·75	0·40	0·05	0.03	0·20	...	0·08	0·28	1·06	2·26	0·65	3·00	3·33	1·23	6·50	0·25	...	...
		Satkanya ...	0·24	0·02	...	2·15	...	..	0·24	...	...	1·05	0·55	1·15	0·65	5·18	6·05	0·68	2·48	0·48	...	0·02
	Chittagong Hill Tracts.	Rangamatti ...	0·14	...	0·20	0·09	0·21	0·16	...	0·45	0·10	0·72	0·24	2·59	2·07	7·05	3·55	2·01	0·54	...	0·17	0·41
		Ruma ...	1·20	0·70	...	0·70	...	...	...	0·23	...	...	0·07	1·20	1·35	4·50	4·25	0·98	0·85	...	...	0·54
	Backergunge...	Patuakhally ...	...	0·45	0·25	0·10	0 20	0 28	...	0·22	.	0·15	1·07	2·68	0·36	0·77	0·38	5·67	5·18	...	0·95	0·36
		Ferozepore ...	0·83	1·98	...	...	0 08	0·09	...	.	0·31	0·36	0·16	1·03	1·42	0·31	2·30	0 77	2·90	0·43	0·19	0·16
		Burrisal ...	0·17	0·23	...	0·03	0·07	0·09	0·09	0·12	0·27	0·30	0·14	2·81	1·02	0·32	2·12	0·42	1·82	0·53	0·04	0·12
		Bhola ...	2·06	...	...	0·13	...	...	0·24	0·25	0·46	0·77	0·54	3·75	2·53	2·08	0·29	0·64	2·67	0·92	...	0·59
		Gournaddi ...	0·19	...	...	...	...	0·30	...	...	.	...	...	2·05	0·90	0 06	0·24	0·56	1·94	...	...	0·26
		Baophal ...	0·08	0·57	...	...	0·13	...	0·09	...	0·05	0·15	0·91	3·25	1·33	0·42	0·38	0·75	5·13	1·31	0·19	0·05
	Noakholly ...	Noakholly ...	0·34	0·03	...	0·09	...	0·48	0·24	0·13	0·46	0·72	0·55	4·06	3·96	0·36	0·35	0·99	2·16	0·35	...	0·10
		Fenny ...	0·30	0·11	0·19	0·16	...	...	...	...	0·08	...	0·38	4·72	4·00	2·00	0·67	2·91	0·72	..	0·04	0·11

...n Bengal in August 1888.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st August 1888.	Average rainfall from 1st January up to 31st August 1888.	Station.	District.	Meteorological division.
1·39	2·23	6·81	0·43	0·20	...	...	...	..	0·05	0·04	13	16·6	14·47	10·93	4·80	27·31	33·84	Pooree ...	Pooree	ORISSA.
1·20	2·34	2·05	...	0·07	0·34	0·52	0·08	...	0·24	...	25	21·8	15·18	12·58	2·34	28·71	40·04	Khurdah.		
2·50	1·45	0·65	0·04	0·14	...	0·72	...	...	0·16	...	10	15·7	13·52	11·85	2·44	25·74	34·35	Banpur.		
0·35	4·44	6·35	0·77	...	...	0·18	...	0·06		...	22	19·8	18·23	13·60	5·85	44·35	45·11	False Point.		
3·40	3·50	0·34	0·16		...	...	...	...			18	?	21·68	?	3·50	?	?	*Gop.*		
1·20	2·30	0·93	..									?		?			?	*Pipli.*		
1·00	5·00	3·88	5·00	0·42	1·87	1·21	...	...	0·03	0·59		14·1						Jagatsingpore.	Cuttack.	
3·28	2·71	2·13	0·17	0·04	0·74	0·02	...	2·01	0·03	0·02	23	22·2	17·76	9·49	3·23	35·01	36·36	Banki.		
1·32	4·90	5·90	0·15	...	...	0·25	...	0·17	..	...	27	22·7	25·41	11·64	5·90	42·01	41·38	Cuttack.		
1·00	7·22	5·41	0·82	0·10	0·23	...	...	...	0·45		32	16·7	21·69	13·24	7·23	41·95	40·59	Kendrapara.		
1·11	5·28	3·87	4·04				...				21	14·2	28·34	11·74	5·23	48·80	43·48	Jajpore.		
2·83	7·50	4·00	2·25									?		?			?	*Dharmsalla.*		
1·10	5·10		6·18									?		?			?	*Salipore.*		
2·60	4·50	3·00	0·05	...	...	...	...	...	0·10	...	21	16·8	24·50	11·90	4·50	43·17	39·56	Chandbali	Balasore.	
0·34	1·15	4·08	1·90	0·05	...	...	...	...	...	...	20	16·3	18·18	11·22	4·03	44·10	42·24	Bhuddruck.		
0·61	1·93	4·25	2·90	..	...	...	..	...	...	..	12	17·3	17·87	11·45	4·25	43·16	39·53	Sorah.		
0·37	1·09	5·11	2·80	0·52	...	...	0·12	..	...	...	18	19·9	20·84	12·78	5·11	46·61	40·21	Balasore.		
0·01	0·85	4·45	2·70	0·34	...	...	..	0·17	...	...	17	15·7	19·37	11·35	4·15	50·20	41·94	Jellasore.		
0·10	2·15	3·10	3·50	1·17	1·02	0·09	0·11	..	...	...	23	23·1	18·39	12·30	3·50	46·36	43·80	Baripodah.		
1·18	1·00	6·33	7·92	0·59	...	...	...	..	1·52	0·30	19	16·9	26·05	14·22	7·92	47·44	47·74	Contai ...	Midnapore.	
3·67	1·30	4·11	11·14	0·15	...	...	...	0·03	.	0·85	24	20·8	29·85	16·01	11·14	47·96	51·40	Saugor Island		
2·20	0·60	2·40	8·30	2·00	...	...	...	0·30	0·30	0·10	17	13·2	27·40	14·56	8·30	56·83	45·48	Tumlook.		
0·50	0·68	2·68	5·54	1·82	...	1·01	...	0·37	0·08	0·25	24	19·0	24·47	12·52	5·54	60·51	45·87	Midnapore.		
0·61	0·05	1·00	81·05	1·98	...	...	...	0·11	0·08	0·95	25	19·8	23·11	16·05	11·05	50·17	49·43	Ghatal.		
2·68	0·65	2·53	8·20	0·68	...	...	...	...	..	0·16	18	?	29·16	?	8·20	61·47	?	Kukrahaty.		
1·19	0·74	3·65	6·92	0·95	...	...	...	...	...	0·49	21	?	18·96	?	6·92	46·87	?	*Heria.*		
1·40	0·78	1·17	1·67	0·72	...	..	...	..	..	1·38	17	?	18·58	?	3·99	43·03	?	*Bhagwanpore.*		
0·50	0·53	2·00	7·54	0·48	0·30	0·45	...	...	...	3·50	20	?	29·78	14·06	7·52	63·83	44·80	*Garbeta.*		
1·60	0·37	1·40	7·10	5·74	...	...	...	...	0·20	0·60	21	23·1	31·12	15·00	7·10	53·12	40·95	Diamond Harbour.	24-Pergunnahs	SOUTH-WEST BENGAL.
1·06	0·57	0·47	6·01	0·51	...	0·64	0·08	0·05	0·10	0·03	28	?	25·57	?	6·01	54·49	?	*Canning Town*		
0·75	0·06	0·57	10·19	1·54	...	...	...	0·20	2·04	1·08	23	24·1	27·45	14·22	10·19	56·35	48·35	Alipore Jail.		
1·23	0·08	0·16	5·30	4·50	...	...	..	0·09	.	1·08	18	19·4	21·04	12·57	5·30	57·21	44·37	Barrackpore.		
0·78	..	0·36	12·30	2·36	...	...	0·07	...	1·80	0·86	21	21·3	26·26	13·40	12·36	61·05	46·34	Dum-Dum.		
0·92	0·05	0·20	8·50	2·57	...	...	0·75	0·42	0·16	0·65	26	20·8	22·83	12·51	8·50	64·85	44·77	Barasat.		
0·18	0·19	0·21	3·28	1·77	...	...	0·24	1·26	0·06	0·57	24	19·1	16·39	13·25	3·49	51·54	48·93	Buseerhat.		
0·52	...	0·76	11·66	1·71	...	0·05	...	0·47	4·03	2·09	21	24·4	28·82	13·31	11·66	58·59	47·15	Howrah ...	Howrah.	
1·53	0·00	0·65	15·43	1·30	...	0·03	...	..	0·47	0·42	22	22·5	32·21	14·50	15·42	58·74	47·65	Mohesreka (*Oolooberiah*).		
1·10	0·07	0·15	8·44	2·54	...	...	...	...	0·17	1·71	24	21·6	23·32	12·96	8·44	59·04	45·62	Serampore ...	Hooghly.	
1·39	0·20	0·21	5·81	3·63	...	...	...	...	0·01	1·16	22	20·8	23·95	13·00	5·81	60·69	47·56	Hooghly.		
0·54	0·66	0·42	6·95	0·63	0·65	0·10	...	0·21	0·88	1·35	26	20·2	21·69	16·35	6·95	57·97	48·31	Johanabad.		
1·68	0·30	0·58	3·00	5·60	...	...	...	...	0·60	1·50	20	14·6	22·01	12·06	5·60	58·97	41·78	Culna ...	Burdwan.	
1·20	0·17	0·80	1·12	0·85	0·37	...	..	...	0·15	3·30	23	22·5	13·74	12·38	3·30	38·60	43·79	Burdwan.		
1·15	0·19	0·34	0·30	2·36	3·06	...	0·44	..	0·70	4·55	24	18·2	25·64	12·69	4·55	60·52	42·84	Cutwa.		
2·79	0·26	0·30	1·38	0·60	0·10	...	0·08	1·18	0·21	0·90	28	20·4	20·53	13·94	4·15	55·10	42·95	Raneegunge.		
0·84	0·19	0·45	1·28	1·36	...	0·65	...	...	0·15	1·80	17	?	15·33	?	1·80	42·56	?	*Mankur.*		
0·78	0·70	0·50	2·60	0·95	...	0·09	0·25	1·60	0·08	1·55	25	22·2	16·47	12·36	2·00	45·28	42·71	Bankoora ..	Bankoora.	
0·26	0·58	0·95	4·72	2·30	0·40	...	0·05	0·69	0·05	3·19	24	18·3	25·30	15·94	4·85	54·08	46·47	Bishenpore.		
1·32	0·48	0·13	2·54	0·95	...	0·56	0·63	0·09	..	0·51	22	18·1	16·07	14·50	2·54	46·24	43·31	Maliara.		
0·30	0·30	0·63	4·30	1·90	..	...	...	...	0·88	0·10	19	20·9	29·02	14·38	4·50	50·76	46·56	Khatra.		
0·83	0·27	1·30	2·32	0·78	0·10	...	0·10	..		1·90	22	?	13·81	?	2·32	41·15	?	Indas.		
0·55	1·42	1·22	3·42	3·70	0·29	...	...	0·36	...	0·93	21	?	20·96	?	3·70	50·81	?	Kotalpore.		
...	0·50	0·28	3·12															Anda.		
2·96	0·59	0·27	2·40	0·97	...	2·32	0·11	..	...	1·15	10	?	18·21	?	2·95	51·56	?	Gangajalghati.		
1·05	0·65	1·39	6·15	1·12	0·35	0·58	..	0·48	0·25	0·38	26	?	25·77	17·44	6·15	53·46	41·28	*Raipore.*		
0·74	0·29	1·65	0·85	0·80	0·04	3·31	0·15	...	0·22	0·09	25	?	15·15	?	3·31	47·42	?	*Sonamukhi.*		
0·77	0·11	0·60	0·94	1·96	0·44	..	0·50	0·18	0·06	1·44	26	23·2	21·14	13·17	5·64	49·71	43·20	Bh. Soory ..	Beerbhoom.	
0·33	0·24	0·82	2·05	0·64	...	0·31	0·26	0·14	0·94	0·65	24	17·5	22·08	13·13	4·43	45·01	44·75	Hetampore.		
0·18	...	...	0·30	1·20	0·49	...	...	0·39	...	3·04	21	19·9	26·08	13·55	9·88	54·16	41·10	Rampore Haut		
2·37	...	0·65	0·82	3·02	0·28	...	1·30	.	0·86	1·50	21	?	22·02	?	3·51	56·59	?	*Bolpur.*		
0·50	...	0·30	0·20	1·55	0·41	0·34	0·26	0·60	1·03	0·40	26	?	19·18	?	4·45	?	?	Murarai.		
0·54	0·23	0·95	4·32	3·08	...	...	...	...	1·07	1·80	23	17·0	19·88	13·00	4·32	56·76	44·06	Ranaghat ...	Nuddea.	
0·04	0·48	0·44	4·35	.	...	0·21	...	1·29	a.	1·24	22	19·6	26·58	11·29	6·78	61·35	42·73	Kishnaghur.		
0·29	0·15	0·30	0·50	6·25	...	0·05	0·50	...	..	...	17	17·4	21·55	12·50	6·25	53·21	45·53	Choondanga.		
0·29	0·19	0·36	0·73	3·68	...	0·61	0·03	0·13	0·40	0·21	25	17·5	17·90	12·60	6·30	53·29	44·47	Meherpore.		
0·20	0·15	0·45	0·61	0·43	...	1·61	...	...	...	0·30	23	19·3	11·93	11·96	2·60	42·31	46·97	Kooshtea.		
0·20	0·15	0·30	2·35	0·80	...	...	...	0·03	0·02	..	25	20·0	11·72	12·38	2·35	36·16	50·59	Satkhira .	Khoolna.	
0·30	0·59	0·70	0·50	...	[illegible]	2·00	0·78	..	0·65	0·30	20	17·4	19·60	12·86	3·65	54·60	54·23	Bagirhat.		
0·48	0·31	0·24	0·49	1·31	0·05	1·73	0·14	0·20	0·03	0·44	23	19·7	13·06	12·20	1·87	50·96	50·40	Khoolna.		
0·21	0·15	0·16	0·30	1·58	...	...	...	...	0·06	1·17	21	18·8	8·74	10·53	1·58	33·43	44·00	Narail .	Jessore.	
0·96	0·76	0·05	0·49	2·13	...	...	1·72	0·15	0·38	0·41	27	22·6	14·50	11·76	2·13	56·78	51·93	Jessore.		
0·37	0·17	0·35	0·73	0·53	...	...	0·09	...	0·05	0·14	21	18·6	9·66	12·55	4·25	41·61	48·21	Jhenidah.		
1·07	0·05	0·48	0·50	2·49	...	...	..	...	0·24	...	21	18·5	11·70	9·97	2·49	44·82	47·83	Magoorah.		
0·60	...	0·35	1·70	2·30	...	...	...	...	...	0·85	15	15·0	12·71	12·97	2·30	46·44	45·85	Bongong.		
0·58	0·19	0·43	1·20	...	2·58	...	..	...	1·37	2·00	14	18·1	14·58	11·75	2·59	49·88	42·03	Kandi ...	Moorshedabad	
1·47	0·08	0·27	0·51	1·53	1·25	...	0·07	0·16	0·04	1·27	25	19·3	14·93	10·91	3·50	39·56	40·11	Berhampore.		
0·25	0·01	0·06	0·39	1·70	1·18	..	...	...	1·44	0·76	22	18·8	13·49	12·71	4·68	42·21	40·35	Lalbagh.		
0·55	...	0·10	0·35	1·75	0·70	0·05	..	0·41	0·20	0·57	21	20·7	12·29	14·68	3·24	?	40·51	Azimgunge.		
0·27	...	0·04	0·08	2·45	2·82	...	0·19	0·39	0·02	0·09	26	17·5	15·35	11·79	5·04	35·76	39·11	Jungipore.		
...	0·45	...	0·37	1·80	1·94	...	..	0·43	0·05	0·22	18	17·1	18·16	11·47	7·52	41·71	40·64	Lalgola.		
0·60	..	0·08	0·34	1·98	0·70	..	...	0·.3	0·20	0·46	18	?	11·26	?	2·68	42·31	,	Jaigunge.		
0·68	0·18	0·84	0·40	1·25	1·00	0·28	..	0·05	...	0·51	21	?	9·63	?	1·25	42·97	?	*Akhriganj.*		
0·10	...	0·25	1·60	...	..	0·20	...	0·10	...	1·10	18	?	10·21	?	1·00	45·10	?	Pathabari.		
0·65	1·01	5·91	2·60	2·15	1·84	2·10	0·38	2·30	0·32	...	29	23·3	45·75	38·06	5·91	142·23	118·45	Cox's Bazar .	Chittagong ..	EAST BENGAL.
0·16	0·54	3·77	6·91	0·91	0·30	0·07	0·03	1·08	1·10	0·30	27	25·7	37·31	21·19	6·91	101·47	83·70	Chittagong.		
...	1·80	2·55	3·25									?		?			?	*Kutubdia.*		
0·27	0·90	1·31	2·61	1·64	0·85	2·00	1·03	0·64	0·15	0·20	25	?	33·04	?	6·03	95·45	?	*Satkanya.*		
0·16	0·19	0·31	3·54	1·84	1·57	1·00	0·05	0·47	0·80	0·40	28	25·4	32·56	18·94	7·05	74·61	74·28	Rangamati ...	Chittagong Hill Tracts.	
...	0·40	2·00	3·00									25·0						Ruma.		
0·93	3·00	3·05	5·41	...	0·13	...	1·62	...	...	0·16	23	22·8	32·37	17·93	5·67	87·61	76·24	Patuakhally .	Backergunge.	
0·48	1·03	1·30	1·10	1·91	0·87	1·18	0·11	...	0·33	0·37	26	21·0	21·84	15·13	2·90	63·10	60·60	Ferozepore.		
0·54	2·25	3·25	2·47	1·32	0·17	0·17	...	0·11	0·03	0·21	29	25·1	21·23	13·19	3·25	61·20	61·73	Burrisal.		
0·51	1·41	1·58	3·04	2·34	0·14	..	0·34	..	...	...	22	25·6	27·48	19·08	3·75	64·01	72·03	Bhola.		
...	1·55	2·50	1·05	1·40	...	...	...	...	...	...	18	?	13·10	?	2·50	54·51	?	*Gournaddi.*		
1·71	1·45	3·47	4·72	3·14	1·03	...	...	...	0·43	0·16	24	?	31·54	?	5·13	86·88	?	*Bauphal.*		
0·24	1·55	1·30	2·96	3·15	1·10	0·64	0·92	0·16	4·2	0·17	28	24·7	31·45	21·22	4·66	98·33	86·26	Noakhally	Noakhally.	
0·15	0·10	2·00	3·75	2·35	2·35	0·65	0·72	0·25	2·19	0·14	25	24·6	30·98	24·59	4·72	98·27	95·70	Fenny.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL —concld.	Noakholly—concld.	*Harishpore*	...	...	0·20	...	...	...	...	...	...	0·30	0·50	2·98	...	4·89	1·82	4·12	3·25	...	...	...
		Ramganj ...	0·64	...	...	0·10	...	0·07	0·75	0·11	0·21	0·31	0·24	3·90	4·45	0·29	0·81	1·24	1·60	0·06	...	0·70
	Furreedpore...	Madaripore ...	0·11	...	...	...	0·41	...	...	0·61	...	...	...	2·18	0·08	0·85	1·75	0·40	0·59	0·19	...	0·09
		Furreedpore...	0·20	1·40	...	...	...	0·22	...	0·07	0·28	...	0·70	0·25	0·58	0·87	1·03	2·05	0·25	1·06	...	0·52
		Goalundo ...	0·20	6·18	...	...	0·13	0·29	...	0·07	0·31	0·09	0·21	0·80	0·60	2·60	...	0·96	0·14	1·84	...	0·20
	Dacca ...	Munshigunge	0·60	...	...	...	...	...	0·15	0·07	0·19	...	0·17	1·58	0·10	2·10	0·15	0·91	0·43	...	...	1·05
		Dacca ...	0·61	...	...	...	...	...	0·16	...	0·39	...	0·31	1·71	0·38	1·57	0·42	0·72	0·39	1·07	...	2·25
		Naraingunge	0·33	...	...	...	...	0·07	0·21	0·03	0·34	0·03	0·24	2·10	0·04	1·36	0·38	1·00	0·23	0·18	...	1·22
		Manickgunge	0·04	0·03	...	...	0·07	0·02	0·09	0·04	0·24	0·10	0·20	1·01	1·37	1·29	0·51	0·09	1·01	1·72	0·02	1·11
		Joydebpore ...	0·10	...	...	0·63	1·38	0·08	0·31	...	0·04	0·05	...	·72	0·10	0·73	1·00	0·88	0·53	...	...	1·10
	Hill Tipperah	Agartola ...	...	...	...	...	1·08	...	...	...	...	...	...	1·31	...	0·38	0·72	1·06	...	0·19	...	1·25
	Tipperah ...	Comilla ...	0·19	0·14	...	0·20	...	0·72	...	...	0·02	0·10	0·45	2·50	1·00	0·08	2·60	5·26	0·40	0·06	...	0·36
		Chaudpore ...	0·36	0·16	...	0·09	...	...	0·30	0·08	0·12	0·40	0·10	3·00	0·67	...	1·60	0·27	·050	0·10	...	0·36
		Brahmunberia	...		...	...	1·81	0·35	...	...	0·08	...	...	2·50	0·12	2·92	0·91	1·52	0·11	...	1·61	0·75
		Ramchandra-pore.	0·20	...	...	...	0·58	...	0·16	0·18	...	...	...	1·62	0·52	0·82	1·02	1·75	0·58	...	...	...
		Nasirnagar...	...	...	...	...	1·77	...	...	...	...	...	...	0·25	0·70	1·05	0·10	...	0·50	...	0·60	1·70
		Daudkandi ...	0·47	...	...	0·33	...	0·12	...	...	0·42	...	...	0·42	1·10	0·60	0·70	1·04	0·30	...	...	2·90
		Kasba ...	...	...	...	...	...	...	...	...	...	0·18	...	1·30	...	0·49	3·62	1·60	0·28	...	0·23	...
		Laksham ...	0·11	...	...	...	...	0·80	...	...	0·21	0·30	0·49	4·41	2·60	...	...	1·07	0·90	...	...	...
	Mymensingh..	Kishoregunge	2·28	0·12	...	...	...	0·32	...	...	...	...	...	0·50	0·12	0·14	0·10	0·40	0·21	...	0·23	0·56
		Atia (*Tangail*)	...	...	...	...	...	...	...	...	...	...	0·52	0·61	0·32	0·16	0·26	1·01	0·34	0·34	...	2·42
		Mymensingh	0·68	0·14	0·03	...	0·16	0·35	...	...	0·10	0·64	0·18	1·57	1·84	0·20	0·04	0·19	0·20	...	0·70	1·63
		Jamalpore ...	0·42	0·23	...	0·02	1·02	...	...	...	...	0·63	...	1·25	2·50	2·00	0·26	0·10	...	...	2·02	2·63
		Netrokona ...	0·87	0·05	0·02	...	0·22	0·91	0·09	...	0·15	0·21	0·07	0·68	2·00	0·31	0·13	0·15	0·13	0·19	0·84	0·15
		Subornakhally	...	...	...	...	...	0·20	0·02	...	...	0·22	...	0·50	3·85	0·10	0·17	0·55	...	0·14	0·17	0·86
		Durgapore ...	1·00	...	0·40	...	0·20	...	2·70	...	2·00	...	1·00	1·50	1·00	0·50	0·20	0·40	0·20	...	1·50	0·70
		Dewanganj ...	0·39	...	...	...	1·30	...	...	...	...	...	0·16	0·78	1·59	0·15	0·08		0·06	...	0·16	1·08
NORTH BENGAL	Pubna ...	Pubna ...	0·16	...	...	...	2·01	0·10	0·30	0·10	0·20	0·16	0·21	0·23	0·10	1·70	0·21	0·25	0·62	0·75	...	0·32
		Serajgunge ..	0·17	0·03	...	...	0·34	0·02	0·04	...	0·02	0·63	0·06	0·83	1·43	0·26	0·20	0·17	0·10	0·03	0·06	0·58
	Bogra ..	Sherpore ...	0·47	...	...	...	0·13	...	...	...	...	0·31	0·17	1·83	0·42	0·21	0·28	0·10	0·11	0·60	0·71	0·08
		Nowk'ulla ...	0·15	...	...	...	...	...	0·10	...	...	...	0·15	0·80	1·79	...	0·51	0·23	...	0·06	0·16	0·41
		Bogra ...	0·84	...	...	...	0·20	...	...	...	...	0·32	...	0·87	1·50	0·04	0·46	0·57	0·02	0·07	0·18	0·42
		Panchbibi ...	...	...	0·50	...	0·38	...	...	...	...	...	1·33	1·23	0·30	...	0·40	0·15	...	...	...	0·14
	Rajshahye ..	Beauleah ...	0·33	...	...	...	1·75	0·04	0·09	0·28	0·07	0·31	0·17	0·21	0·02	0·01	1·22	0·62	1·35	0·11	0·04	0·10
		Nattore ...	1·42	...	...	...	0·35	...	·025	...	...	0·00	...	0·40	1·30	1·25	2·80	0·25	0·50	0·20	...	0·50
		Naogaon ...	0·32	...	...	...	0·11	...	0·11	...	...	0·38	...	0·56	1·02	0·29	0·09	...	0·11	0·09	0·29	0·49
		Lalpore ...	1·40	...	...	1·50	...	1·07	...	0·10	...	0·14	0·08	0·25	0·38	2·30	0·16	...	0·36	...	0·19	...
		Manda ...	0·31	...	0·28	...	0·40	...	0·10	...	0·04	0·10	...	1·04	1·35	0·07	0·43	...	...	0·37	...	...
	Maldah ...	Maldah ...	1·13	1·08	...	...	...	...	...	0·30	...	0·07	...	1·61	1·03	0·85	1·04	2·62	0·07	0·06	0·38	0·05
		Chanchal ...	1·22	...	...	...	...	0·07	...	...	...	0·14	...	...	3·06	0·36	0·10	0·38	...	0·72	0·11	0·11
		Gajol ...	0·60	...	...	...	...	...	...	...	...	...	...	0·80	2·30	0·23	2·20	0·91	0·20	...	0·15	0·20
		Sibganj ...	0·50	0·37	...	0·08	0·07	0·27	0·12	...	...	0·07	0·07	0·44	0·10	0·36	0·50	0·14	0·60	0·83	0·02	...
	Dinagepore ..	Mohadebpore	...	...	...	0·10	...	...	...	...	0·30	...	0·75	2·42	1·45	0·15	...	0·50	...	0·16	2·10	...
		Churamon ...	0·22	...	0·70	0·11	0·05	...	...	...	0·11	...	0·13	1·15	3·65	0·04	0·18	0·28	0·03	0·16	...	0·19
		Raigunge ...	0·41	...	...	...	...	...	...	...	0·08	0·23	...	0·35	4·96	0·17	0·04	...	...	0·11	0·46	...
		Dinagepore ...	0·15	...	0·25	...	0·42	0·11	...	...	...	0·13	...	1·50	0·97	0·04	0·89	0·06	...	...	0·10	...
		Baloorghat .	0·26	...	0·75	0·37	0·28	...	...	...	0·09	0·02	0·07	1·45	0·94	1·07	...	0·11	0·05	0·23	0·24	0·40
		Thakurgaon...	...	...	...	...	...	0·27	...	0·35	0·18	...	0·22	...	2·78	...	0·47	0·12	0·44	...	1·23	...
	Rungpore ...	Bhawanigunge (*Gyabanda*).	0·07	0·38	0·79	...	...	...	...	...	...	...	...	1·72	1·77	...	0·18	...	...	...	...	1·42
		Rungpore ...	0·07	...	0·37	...	...	...	0·08	...	...	0·04	...	2·90	3·27	0·25	0·01	0·08	...	...	0·12	0·42
		Kurigram	...	...	...	...	...	...	...	0·48	...	...	...	1·30	1·35	...	...	0·72	...	...	...	0·83
		Bagdogra .. (*Nilphamari*).	0·15	...	0·35	...	0·15	0·03	...	...	0·15	0·04	0·06	0·30	0·83	0·27	...	0·12	...	...	0·20	0·10
		Ulipore ...	...	...	1·04	...	...	...	...	...	...	...	...	1·45	2·00	1·75	0·75	...	...	...	0·50	...
	Julpigoree ...	Julpigoree .	...	1·24	0·48	...	...	0·16	...	...	...	0·93	0·09	1·66	3·26	...	2·36	1·48	...	0·36	0·18	1·24
		Alipore Doar	...	0·45	...	...	0·25	...	...	...	1·30	0·10	...	0·80	2·35	0·37	...	0·56	0·12	...	0·49	1·10
		Falacotta ...	...	...	0·23	...	...	0·19	...	...	...	1·34	0·09	0·89	3·90	0·11	0·17	0·74	0·11	0·64	0·36	0·06
		Debiganj ...	0·04	0·14	0·81	...	0·03	...	0·02	...	0·01	0·03	...	0·14	0·76	0·26	0·02	00·5	...	...	1·36	0·53
	Cooch Behar..	Dinhatta ...	...	...	6·37	...	0·97	0·02	...	...	0·05	0·02	0·04	0·87	3·41	0·07	0·05	0·84	0·15	0·06	1·87	0·45
		Cooch Behar...	...	...	3·75	...	0·40	...	...	...	...	...	...	0·71	3·08	0·10	...	0·30	...	0·18	0·14	0·45
		Mekligunge...	0·06	...	0·75	...	...	0·18	...	0·08	...	0·11	0·24	0·80	1·70	0·05	0·85	1·21	0·31	0·04	0·55	...
		Matabhanga...	...	...	2·38	...	0·12	...	...	...	...	...	0·02	1·51	5·00	0·23	...	0·13	0·10	0·13	0·68	0·22
	Darjeeling Hill	Buxa ...	3·36	1·57	0·04	0·52	0·04	2·23	0·24	0·12	0·12	1·90	1·10	1·90	6·45	0·65	0·52	0·58	...	...	0·04	0·16
		Siliguri ...	0·56	...	0·35	...	...	...	0·32	0·64	...	...	0·19	0·94	1·88	0·59	0·45	1·05	0·67	...	0·77	0·29
		Darjeeling ...	0·77	0·09	0·05	0·94	0·01	0·25	0·83	0·04	0·06	0·12	0·12	1·32	0·48	0·25	0·43	0·61	0·57	0·57	1·67	1·11
		Kalimpong ...	0·94	...	0·03	0·04	...	0·11	0·39	0·17	...	0·09	0·47	0·26	0·06	0·17	0·18	0·30	0·25	0·74	0·87	1·60
NORTH BEHAR	Purneah ..	Kissengunge	...	...	...	...	...	0·20	...	...	0·29	...	0·13	0·46	0·18	0·53	0·14	0·74	0·54	...	1·37	...
		Arrareah	...	0·37	...	...	...	0·15	...	0·18	0·20	0·11	0·92	0·20	0·18	...	...	0·27	0·80	...	2·15	...
		Purneah	0·16	0·04	...	...	0·34	...	0·06	...	...	...	0·13	1·11	0·43	0·34	0·24	0·44	...	0·46	2·13	0·26
		Gondwara ..	0·15	...	0·50	...	...	...	...	...	...	...	...	0·12	0·16	1·35	1·10	1·90	1·52	...	0·35	0·10
		Balarampore		...	...	0·02	0·05	0·07	...	...	0·11	0·20	0·16	0·17	1·20	0·25	...	...	...	...	...	...
		Mattari .	...	0·10	...	...	...	...	...	...	...	0·40	...	...	...	0·70	...	0·60	...	1·40	1·25	...
		Kaliaganj ..	...	...	0·10	...	...	0·12	...	0·02	0·09	0·27	0·56	0·54	0·54	0·63	1·10	0·13	0·05	0·11	0·48	0·63
	North Bhagulpore.	Madanpore ..	...	...	...	...	...	...	...	...	...	0·61	0·11	0·25	0·30	...	0·92	0·81	...	...	...	0·85
		Soopool ...	0·52	...	...	...	0·35	...	...	...	...	...	...	0·29	0·56	0·26	0·20	0·17	0·16	...	0·18	...
		Protabganj ..	0·15	...	...	...	...	...	...	...	...	...	...	...	...	0·44	0·53	0·92	...	1·50	...	...
	Durbhunga ...	Tajpore ..	0·89	...	0·08	...	0·61	...	...	...	...	0·03	...	0·14	4·07	0·41	...	...	0·12	...	0·19	...
		Durbhunga ...	0·03	0·10	...	0·07	0·30	...	...	...	...	...	...	...	0·40	...	0·03	0·09	0·15	...	0·11	...
		Madhubani ...	0·36	0·01	...	...	0·34	...	...	...	0·11	0·01	0·69	0·27	0·06	...	...	...	0·98	0·64	...	...
		Jahera ...	0·05	...	0·65	...	1·35	...	...	...	...	0·29	0·20	0·11	1·80	0·50	0·27	0·15	1·80	...	...	...
		Roshera ...	0·64	...	...	...	0·15	...	...	...	...	0·20	...	...	4·20	0·12	...	0·50	...	0·40	0·05	...
	Mozufferpore	Sitamarhi ..	0·05	0·08	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mozufferpore	0·22	0·55	0·15	...	0·50	...	...	...	...	0·05	0·07	0·05	0·95	0·55	...	0·35	0·07	...	...	0·06
		Hajipore ...	0·24	...	...	1·65	0·15	...	0·20	...	0·06	...	0·04	0·80	2·80	0·72	...	1·42	0·10	0·04	...	0·82
		Paru ...	0·50	...	...	...	...	0·25	...	...	0·22	...	0·38	0·22	1·24	0·50	...	...	0·48	...	...	...
		Mahua ...	0·40	...	...	1·30	0·04	...	...	...	...	0·20	0·10	1·00	1·90	0·45	...	...	...	0·13	...	...
		Sinhar ...	...	...	...	...	0·05	...	...	...	...	0·35	...	0·20	...	...	...	...	0·85	0·85	...	0·90
		Pupri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·10	...	0·90	...	...
	Chumparun ...	Motihari ...	...	...	...	...	...	...	...	...	0·03	0·02	0·21	...	0·95	...	...	0·50	0·93	...	0·10	...
		Bettiah ...	...	0·34	0·55	0·50	0·31	...	...	...	0·74	...	0·33	0·18	0·13	0·24	...	0·21	1·80	0·12	...	...
		Bagaha ...	...	0·07	...	0·28	...	...	...	...	0·47	...	0·50	0·30	0·08	0·18	...	...	2·21	0·31	...	...
		Burhurwa ...	0·32	0·04	...	0·04	...	...	0·02	...	0·02	...	0·02	...	0·30	0·07	...	0·77	1·05	...	...	...
	Sarun ...	Gopalgunge .	0·34	0·24	...	...	...	...	...	...	...	...	...	0·38	0·18	0·56	...	...	0·85	...	...	...
		Sewan ...	0·20	0·22	...	0·52	0·31	...	...	...	...	...	...	1·06	1·22	...	...	...	0·57	...	...	...
		Chupra ...	0·14	...	...	0·48	...	0·09	0·08	...	...	0·23	...	0·48	1·06	00·9	...	...	0·13	...	...	1·33

in Bengal in August 1888—*continued.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st August 1888.	Average rainfall from 1st January up to 31st August 1888.	Station.	District.	Meteorological division.
...	1·30	2·35	5·25	3·28	0·50	...	0·82	2·80	4·93	...	16	?	40·40	?	5·25	115·62	?	*Harishpore* ..	Noakholly—*concld.*	East Bengal—concld.
0·26	0·86	1·70	3·60	3·20	0·75	0·50	0·07	...	1·25	0·04	26	?	27·19	?	4·45	79·26	?	*Ramganj.*		
0·07	0·89	0·91	0·98	0·56	0·29	0·08	...	...	...	..	18	19·9	11·59	12·20	2·18	48·86	54·73	Madaripore ..	Furreedpore.	
...	...	0·64	0·44	2·68	...	...	...	...	1·10	0·14	19	20·5	14·48	12·21	2·08	58·47	54·64	Furreedpore.		
0·30	0·11	0·30	0·61	4·20	...	...	...	0·10	0·12	...	22	18·1	14·36	11·54	4·20	54·35	49·81	Goalundo.		
0·55	0·12	0·80	0·60	2·05	...	0·22	...	...	0·30	.	19	20·3	12·14	14·72	2·10	67·53	68·84	Munshigunge	Dacca.	
1·18	0·23	0·86	1·16	1·57	..	0·06	...	...	..	...	18	21·4	15·03	12·67	2·25	61·84	57·05	Dacca.		
0·94	0·09	0·78	0·80	2·23	0·09	0·04	0·07	...	0·25	..	24	23·0	12·07	11·45	2·23	74·88	59·11	Narainganj.		
0·50	0·02	0·70	1·09	2·66	0·01	...	...	...	0·11	0·64	26	20·5	14·89	11·71	2·66	52·65	49·65	Manickgunge		
1·15	0·74	0·98	0·90	1·36	0·02	...	1·93	0·02	0·36	0·25	24	?	15·20	?	1·93	66·20	?	*Joydebpore.*		
0·45	0·32	0·75	1·04	1·20	1·55	0·06	0·95	1·26	0·45	...	17	19·9	14·02	13·77	1·55	74·75	62·70	Agartola ..	Hill Tipperah.	
0·70	0·06	0·90	2·94	1·75	2·45	0·05	0·80	0·11	1·86	0·25	20	24·1	20·84	16·77	5·26	73·04	74·47	Comilla ..	Tipperah.	
0·25	0·25	1·88	1·25	1·71	...	0·10	...	...	0·25	.	22	22·5	13·80	20·11	3·00	62·02	71·49	Chandpore.		
0·39	0·59	0·65	0·84	1·82	...	0·70	...	. .	0·15	0·40	19	20·6	18·28		2·98			Brahmunberia.		
0·46	0·33	0·39	1·44	1·17	...	...	...	..	0·34	0·25	17	?	11·83	?	1·75	63·45	?	*Ramchandrapore.*		
0·50	0·20	0·60	0·40	1·00	0·11	1·40	.	...	0·30	0·50	17	?	11·58	?	1·77	64·67	?	*Nasirnagar.*		
...	0·45	0·77	1·90	1·50	..	0·11	0·41	0·32	0·27	.	19	?	14·25	?	2·90	61·91	?	*Dandkandi.*		
0·30	...	1·00	1·34	2·60	1·00	...	...	...	0·35	0·45	14	?	14·05	?	3·62	72·15	?	*Kasba.*		
0·89	...	0·71	3·86	1·11	2·06	0·10	...	...	0·85	0·20	17	?	20·67	?	4·41	76·90	?	*Laksham.*		
0·48	0·50	0·43	0·34	0·61	1·46	...	...	..	1·94	1·52	19	19·8	12·26	13·12	2·28	78·75	65·20	Kishoregunge.	Mymensingh	
0·19	...	0·54	0·39	2·42	...	...	.	0·83	0·07	...	16	16·7	11·06	11·96	2·42	39·09	41·32	Atia (*Tangail*)		
0·53	0·20	1·09	0·22	1·95	0·45	...	0·43	0·06	1·30	0·55	26	23·9	15·31	14·52	1·95	65·17	72·43	Mymensingh.		
0·54	0·20	0·45	0·15	1·86	0·35	..	0·03		0·17	.	20	19·3	17·49	13·71	2·63	61·56	56·76	Jamalpore.		
0·25	0·49	0·41	0·65	0·78	0·80	0·07	0·25	0·10	1·00	1·51	29	20·4	12·98	15·92	2·00	77·84	66·65	Netrokona.		
0·11	0·14	0·31	0·44	4·92	...	...	..	0·69	0·19	0·01	19	?	13·59	?	4·92	56·46	?	*Subornakhally*		
...	...	0·30	0·80	1·70	1·00	..	4·00	...	1·20	0·70	21	?	23·90	?	4·00	107·07	?	*Durgapore.*		
0·56	0·55	...	0·05	3·30	0·33	1·05	0·81	0·26	0·04	...	20	?	12·89	?	3·30	55·59	?	*Dewanganj.*		
0·16	...	0·26	0·60	0·50	...	...	...	..	...	1·62	21	20·4	10·65	12·67	2·01	45·89	48·13	Pubna ...	Pubna.	North Bengal.
0·14	0·50	0·25	0·59	3·05	0·14	...	...	0·28	0·72	0·05	26	14·7	10·75	11·22	3·05	47·88	46·67	Serajgunge.		
0·09	0·05	0·05	0·51	4·75	0·07	..	0·31	0·04	0·06	0·02	23	16·5	12·87	12·29	4·75	38·06	49·45	Sherpore ...	Bogra.	
0·24	0·06	0·05	0·30	3·05	0·75	.	.	1·05	.	...	17	19·9	10·76	10·80	3·05	48·40	47·11	Nowkhilla.		
0·10	0·03	0·17	0·05	1·30	0·20	0·08	0·05	0·00	0·05		22	20·1	11·72	12·23	4·30	39·50	57·52	Bogra.		
1·05	0·06	...	0·50	2·20	0·19	0·51	0·10	1·05	...	0·08	17	14·6	10·16	11·43	2·20	42·28	45·85	Panchbibi.		
0·18	0·02	0·29	0·18	1·19	0·52	0·70	...	...	0·08	0·23	20	20·0	0·21	10·74	1·35	20·64	42·47	Beauleah ...	Rajshahye.	
...	...	0·30	1·65		..	.	..	.	2·25	0·20	16	17·3	14·22	12·33	2·80	50·43	43·88	Nattore.		
0·10	0·19	0·04	0·30	0·93	0·15	...	. .	0·84	0·63	0·11	21	?	7·24	?	1·02	20·83	?	*Naogaon.*		
..	...	0·35	0·90	..	...		0·30	...	0·48	1·13	17	?	11·04	?	2·30	40·23	?	*Lalpore.*		
1·15	0·15	0·20	0·17	0·47	.	1·60	...		0·36	...	18	?	8·59	?	1·60	26·86	?	*Manda.*		
0·05	0·95	0·08	0·09	0·61	5·49	0·15	0·27	0·02	...	1·44	23	18·8	21·27	10·27	5·49	40·28	38·29	Maldah ...	Maldah	
...	0·27	...	.	1·05	1·00	0·44	.	0·04		0·18	16	21·9	10·45	13·78	3·06	27·22	45·13	Chanchal.		
0·23	0·54	0·13	0·15	0·35	1·55	0·43	0·55	1·30	0·10	...	19	?	13·12	?	2·30	31·43	?	*Gajol.*		
0·16	...	0·06	0·11	1·54	3·20	..	...	0·28	0·05	0·95	24	?	11·74	?	3·20	33·65	?	*Sibganj.*		
0·65	...	0·10	0·67	0·02	0·75	0·20	...	0·90	0·71	0·05	18	18·7	11·08	13·21	2·42	35·93	45·84	Mohadebpore ..	Dinagepore	
0·07	0·21	0·02	0·14	1·04	2·34	0·85	. .	1·83	..	0·36	24	18·6	14·28	10·96	3·65	36·41	41·70	Churaman.		
0·26	0·20	0·19	...	0·35	0·96	0·41	.	0·19	0·03	0·75	18	19·8	10·19	12·55	4·96	44·94	43·18	Raigunge.		
0·60	0·28	0·16	...	1·03	0·22		1·33	1·72	0·50	...	19	20·8	10·55	13·21	1·72	59·40	56·89	Dinagepore.		
0·17	0·14	...	0·48	1·62	0·12	0·64	. .	1·06	0·05	...	24	19·8	10·61	9·43	1·62	39·57	40·00	Baloorghat.		
0·21	0·41	0·33	0·04	0·84	0·32	...	.	1·90	0·09	...	17	?	10·19	?	2·78	?	?	Thakurgaon.		
0·44	...	0·32	...	3·25	0·52	...	..	0·32	...	...	12	14·6	11·18	10·29	3·25	49·85	52·04	Bhawanigunge (*Gyabanda*).	Rungpore	
0·29	0·57	0·02	...	2·01	0·87	...	. .		1·00	...	17	18·3	13·27	13·00	3·27	52·96	65·52	Rungpore.		
0·08	0·58	...	..	2·02	0·53	...	.	0·21		. .	10	13·5	8·19	10·86	2·02	69·61	63·36	Kurigram.		
0·11	0·46	0·11	0·80	1·14	1·30	0·35		0·85	0·22	...	22	19·1	8·09	15·17	1·30	57·28	71·58	Bagdogra. (*Nilphamari*)		
...	...	...	...	2·80	1·75	...	0·40	0·45	0·12	...	11	?	13·01	?	2·80	55·26	?	*Ulipore.*		
0·16	0·22	..	...	0·77	...	.	...	2·15	3·18	0·12	18	21·4	20·04	25·91	3·26	103·90	99·26	Julpigoree ..	Julpigoree	
...	0·41	0·83	...	0·42	0·55	0·12	1·30	0·22	..	1·17	19	?	12·77	?	2·35	83·12	?	*Alipore Doar.*		
1·12	...	0·20	...	0·32	...	. .	1·32	1·96	0·77	0·12	20	?	15·33	?	3·99	92·73	?	*Falacotta.*		
0·66	0·18	0·14	...	0·74	0·35	0·01	0·02	0·48	1·05	...	23	?	7·83	?	1·36	66·13	?	*Debiganj.*		
0·60	0·11	0·25	...	1·32	0·84	..	3·71	0·94	0·08	...	23	20·3	23·10	15·70	6·37	91·60	84·66	Dinhatta	Cooch Behar.	
0·88	0·55	0·16	...	0·78	0·55	0·15	...	2·40	...	...	16	20·0	14·58	21·03	3·75	93·54	103·68	Cooch Behar.		
0·25	0·31	0·22	...	0·61	0·40	...	...	0·22	...	...	20	20·4	8·63	22·02	1·70	72·13	90·51	Mekliganj.		
0·28	0·29	0·15	...	0·91	0·77	...	0·31	0·08	...	0·03	19	21·4	14·23	22·35	5·00	78·04	96·18	Matabhanga.		
0·09	...	...	0·43	1·64	0·55	1·97	1·02	2·40	0·76	0·13	27	24·4	30·59	43·60	6·45	145·36	30·39	Buxa ..	Darjeeling.	
0·37	0·18	0·38	...	0·65	0·12	...	0·62	1·66	0·04	0·05	24	24·6	12·90	24·35	1·68	82·39	87·30	Siliguri		
1·18	...	4·06	0·07	4·20	0·68	0·08	0·02	1·38	0·04	1·08	30	26·7	23·01	28·67	4·20	80·42	95·66	Darjeeling.		
1·11	0·13	1·81	0·75	1·14	0·49	0·04	...	1·06	0·11	1·44	27	25·2	14·54	21·18	1·81	63·02	73·51	Kalimpong.		
0·15	0·52	...	0·08	0·50	0·25	0·49	...	...	0·35	0·20	18	19·2	7·12	15·71	1·37	51·53	57·60	Kissengunge ..	Purneah.	North Behar.
...	0·20	0·18	0·38	0·25	1·20	0·90	...	.	0·20	..	18	16·6	8·84	13·50	2·15	47·38	51·60	Arrareah.		
0·47	0·72	0·43	0·08	0·58	2·72	1·54	...	0·04	1·53	1·00	24	21·4	16·25	14·40	2·72	45·23	46·70	Purneah.		
...	0·21	...	...	0·26	1·15	0·20	...	..		0·10	15	?	11·47	?	1·90		?	*Gondwara.*		
...	0·20	...	...	0·46	1·10	3·50	..	...	0·80	0·64	16	?	10·39	?	3·50		?	*Balarampore*		
...	...	0·59	...	0·24	.	0·95	.		0 5	0·32	10	?	5·40	?	1·45	42·62	?	*Matiari.*		
0·12	0·81	0·05	...	0·63	0·08	...	...	0·11	0·73	0·10	24	?	7·72	?	1·10	55·23	?	*Katiaganj.*		
...	...	0·27	1·02	0·61	3·84	1·50	...	1·45	0·45	0·56	13	15·7	13·11	11·86	3·84	51·42	88·93	Maddapore ..	North Bhagulpore.	
0·12	...	0·84	0·40	0·33	1·11	1·65	..	0·63	0·20	1·84	18	16·5	9·70	11·88	1·84	39·36	88·31	Soopool.		
...	0·19	0·85	...	0·55	2·61	...	2·11	...	0·85	0·28	12	?	10·46	?	2·61	34·74	?	*Protabganj.*		
0·65	...	0·44	0·11	...	3·21	1·33	0·11	...	...	0·04	16	14·8	13·02	10·40	4·07	36·62	34·10	Tajpore ...	Durbhunga.	
...	0·59	0·15	0·80	0·89	1·76	1·31	...	0·20	. .	0 2	17	15·6	6·70	11·14	1·76	31·84	35·55	Durbhunga.		
0·30	...	0·30	0·03	0·64	0·73	2·41	...	1·09	0·93	0·53	19	15·9	9·83	10·17	2·41	38·06	35·37	Madhubani.		
0·10	0·40	0·80	0·45	0·60	2·51	2·15	...		1·15	1·35	20	?	16·18	?	2·51	48·01	?	*Bahera.*		
...	...	0·77	0·14	1·07	5·20	...	...	0·13	0·50	0·50	15	?	14·57	?	5·20	35·50	?	*Roshera.*		
				0·07	0·32	0·90	...	. .	...	1·20		13·3						Sitamarhi ...	Mozufferpore.	
0·30	...	0·50	...	0·68	1·00	2·97	0·32	...	...	0·30	19	16·0	9·64	10·23	2·07	30·55	32·73	Mozufferpore.		
1·34	...	0·60	0·08	0·42	1·84	3·51	0·42	...	0·10	0·75	22	16·6	18·05	10·64	3·51	41·20	33·10	Hajipore.		
0·16	...	...	0·50	0·10	0·65	4·60	1·40	...	1·15	0·50	16	?	13·03	?	4·00	33·84	?	*Paru.*		
0·36	...	1·04	0·05	0·05	2·40	3·26	0·21	..	0·95	0·21	18	?	14·05	?	3·26	32·35	?	*Mahua.*		
...	...	1·10	...	..	..	0·05	...	0·45	...	[illegible]	10	?	6·37	?	1·10	23·21	?	*Sauhar.*		
0·30	0·71	0·20	...	1·20	0·30	1·05	...	...	...	1·00	9	?	6·76	?	1·20	30·93	?	*Pupri.*		
...	...	0·71	0·37	0·53	...	1·25	0·12	...	0·79	0·69	14	14·2	7·22	12·23	1·25	31·69	35·78	Motihari ...	Champarun.	
...	...	0·64	...	...	...	1·54	0·56	...	0·49	0·40	17	14·5	9·18	12·12	1·80	39·34	38·33	Bettiah.		
...	...	0·33	0·15	...	...	0·58	0·40	0·13	0·70	1·82	16	?	8·59	?	2·21	41·32	?	*Bagaha.*		
0·05	0·02	1·54	0·84	0·37	0·25	2·72	1·22	..	0·89	0·45	20	?	11·00	?	2·72	38·69	?	*Burhurwa.*		
...	...	0·41	0·27	0·19	...	6·00	0·89	0·19	0·18	0·82	14	13·9	11·44	10·75	6·00	30·69	34·04	Gopalgunge ..	Sarun.	
...	0·27	1·62		...	0·16	4·91	1·02	0·36	.	0·38	14	15·6			4·91			Sewan.		
0·21	...	0·37	0·01	...	1·61	3·47	0·60	...	0·16	1·05	15	14·5	12·32	9·35	3·47	31·48	29·21	Chupra.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH BEHAR	Shahabad ...	Buxar ...	0·12	0·01	...	...	0 22	0·06	0·03	...	0·10	0·11	0·03	0·34	0·20	0·13	...	...	1·15	0·66	...	0·12
		Dehree ...	0·35	0·45	...	...	...	0·12	0·07	...	...	0·07	0·23	1·76	0·35	...	0·12	0·45	4·81	...	0·02	0·51
		Bhuboosh ...	0·40	0·35	...	...	0·18	...	...	...	...	0·10	0·20	0·82	0·50	...	...	0·30	3·65	0·50	0·70	0·56
		Sasseram ...	...	0·23	...	...	...	0·10	...	...	...	0·43	1·17	1·46	1·76	...	...	0·08	2·79	0·64	...	0·68
		Arrah ...	0·30	0·65	...	0·04	0·20	...	0·02	...	...	...	0·10	1·75	0·30	...	...	...	1·20	0·65	0·30	0·15
		Mohaniah ..	0·25	...	...	...	...	...	...	...	...	...	1·20	1·10	...	0·50	...	1·50	2·50	...	...	...
	Gya ..	Aurungabad...	0·23	0·22	...	...	1·04	0·21	...	0·10	0 22	0·41	0·10	1·31	0·31	0·28	...	2·47	3·63	...	...	0·74
		Gya ...	0·95	0·10	...	0·10	...	0·14	...	...	...	0·29	0·03	4·25	0·04	0·08	...	2·17	6·29	2·50	...	0·81
		Nowadah ...	0·21	...	...	...	2·30	...	0·24	0·07	0·20	...	0·15	2·00	0 09	1·11	0·02	1·50	2·02	0·36	...	0·10
		Jehanabad ...	0·90	0·22	...	1·01	...	0·01	...	0·14	...	...	...	0·61	0·10	0·35	...	0·20	3·41	0·11	...	0·75
		Arwal ...	0·37	0·78	...	...	...	...	...	...	...	...	...	0·59	...	0 13	...	0·13	3·48	0·12	...	...
		Daudnagar ...	0·45	...	...	...	...	0·20	...	...	...	0·05	...	0·45	...	...	...	...	4·50	1·98	...	1·44
		Sherrghati ..	.	0·12	...	0 50	0·15	...	...	...	...	0·25	0·25	0·50	0·15	...	...	2·85	6·00	...	...	0·93
		Rajauli ...	...	0·80	0·50	...	0·70	0·50	0·30	0·20	...	...	...	0·40	0·30	0 35	...	0·50	0·60	...	0·80	0·90
		Pakri Barawan.	0·38	...	...	...	0·38	...	0·50	...	0·15	...	...	0·55	...	0·18	0·19	2·50	0·39	0·19	0·18	...
	Patna .	Patna ..	0·41	0·05	...	0·63	...	0·28	...	...	...	...	...	2·12	0·04	0·39	0·02	0·66	0·36	0·21	0·23	1·16
		Dinapore ...	0·15	...	...	0·36	...	...	...	...	...	...	0·07	1·50	1·93	...	...	...	1·43	0·06	0·15	0·83
		Behar ...	2·87	0·45	...	...	0·51	·021	0·24	0·14	1·31	0·05	0·12	0·61	1·19	0·24	...	0·56	2·22	1·10	0·20	1·05
		Barrh ...	0·25	0·20	...	...	...	..	0·10	0·10	...	...	...	1·80	0·15	0·80	...	0·10	0·85	0·40	0 ·10	1·00
		Bickram ...	0·25	...	...	...	0·40	...	...	...	0·35	...	...	1·60	0·70	1·30	...	0·50	1·30	0·30	0·15	0·20
		Hilsa ...	1·45	0·13	...	0·28	0·78	0·06	0·13	...	1·00	...	0·60	1·65	2·15	0·28	...	0·69	1·50	0·72	0·32	0·19
	Monghyr ..	Begoosorai ...	1·70	...	...	0·05	...	...	0·10	0·12	0·02	...	...	0·15	0·09	0·14	0·06	0·04	1·47	0·71	0·21	0·16
		Monghyr ...	1·53	0·01	...	...	...	0·11	0·04	...	0·27	...	0·03	0·60	0·27	0·37	0·14	0·12	0·78	0·98	0·46	0·38
		Jamui ...	0·10	...	..	0·11	0·27	0 80	...	...	0·11	...	...	0·12	0·17	...	0·69	2·29	1·10	2·40	1·12	0·11
		Gogri ...	0·75	...	...	...	0·25	...	...	..	1·12	0 15	...	0·65	1·15	0·35	0·22	...	0·95	0·65	0·57	...
		Sheikpura ...	1·95	...	...	...	2·00	...	...	...	...	0·40	..	...	0·30	...	0·28	0·62	3·12	2·06	...	2·52
	South Bhagulpore.	Bhagulpore ...	2·46	...	...	...	0·19	...	...	...	...	0·84	...	0·65	0·78	0·36	0 24	0·36	0·25	1·91	1·23	0·07
		Banka ...	1·33	...	0·10	0·77	...	...	0·13	0·27	...	0·40	0·84	0·90	1.12	1·13	1.52	0.89	0·77	1·10	0·23	0·10
		Kolgong ...	2 46	...	...	...	...	0·61	0·07	...	...	0·65	...	0 32	0·57	0·20	0·87	...	0·20	0·20	0 42	...
	Sonthal Pergunnahs.	Rajmehal ...	0·45	..	0·18	...	...	0·05	0·10	...	...	..	0·22	1·18	1·43		1·62	1·23	0·04	0·46	0·49	0·19
		Godah ...	1·50	...	...	0·32	0·26	...	0·18	0·14	...	0·03	0·04	0·36	0·70	1·60	2·70	3.50	0·20	0·80	0·68	0·41
		Pakour ...	1·27	...	0·65	0·02	0·15	...	0·22	0·03	0·22	...	0·18	1·51	0·50	0·15	1·97	0·65	0·35	0·98	0 95	0·99
		Nya Doomka	1·98	0·01	...	...	0·06	0·15	0·06	0·82	0·41	0·11	0·04	0·49	2·00	1·55	6·07	0·03	0·84	3·24	0·90	0·[illegible]
		Deoghur ...	1·13	0·04	0·09	...	0·19	...	0·15	0·04	0·02	0·19	0·03	1·18	0·40	1·70	1·59	0·22	0·49	1·75	0·45	0·2
		Jumtara ...	0·93	...	..	...	0 22	...	0·57	0·15	0·74	...	1·05	1·35	0·90	0·53	3·05	0·56	1·52	0·27	...	1·24
		Mohagama ...	2·45	...	...	...	...	...	..	...	...	0·05	1·05	2·15	1·25	1·24	1·10	2·45	0·47	1·22	...	...
		Nanihat ...	1·61	...	...	...	...	...	...	...	...	...	...	1·75	...	1·03	2·11	...	0·09	0·81	1·05	0·52
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ...	0·33	...	0·76	0·05	1·12	0·14	0·32	0·36	0·18	0·13	0·30	1·10	1·56	0·08	1·96	1·66	0·43	0·45	0·26	0·58
		Hazaribagh ...	1·10	...	0·10	0·42	0·20	0·09	0·48	0·07	0·16	0·35	0·22	0·13	2·31	0·06	0·45	1·45	7·09	0·24	1·50	0·53
		Semtagurah ...	0·90	...	...	0·47	...	0·67	0·10	...	0·24	...	0·65	0·77	0·15	0·10	0·52	3·98	1·35	1·28	0·52	0·21
		Mahudi Hills	1·98	...	0·18	0·41	0·25	0·31	0·19	...	0·39	1·40	0·08	0·76	...	0·72	0·09	4 37	1·01			
		Jhoomrah Hills	3·20	...	...	0·10	0·50	0·30	0·70	0·70	0·10	0·40	1·50	0·90	0·70	0·10	2·60	5·50	3·50	1·10	1·50	1·50
		Barhi ...	0·74	...	...	0·12	0·10	0·75	0·10	...	...	...	...	2·25	0·18	0·40	0·15	1·65	2·75	0·75	0·10	0·45
		Chatra ..	3·00	...	0·18	0·22	0·07	...	...	...	0·11	0·23	0·05	0·40	1·05	0·39	0·03	2·62	2·96	...	0·35	0·47
		Karagdeha ...	0·80	...	...	...	2·02	...	0·30	...	...	...	...	3·30	...	...	...	...	...	...	...	...
		Ramghar ...	2·60	0·04	...	0·75	0·50	0·55	0·50	0·10	0·15	0·50	0·15	0·04	1·50	1·40	1·20	3·50	2·50	0·04	1·63	0·53
	Lohardugga...	Lohardugga ...	1·87	0·04	0·19	0·09	0·54	0·23	0·10	0·33	0·45	0·28	0·90	0·28	0·03	1·21	0·09	3·25	0·34	0·22	0·53	0·93
		Ranchi ...	2·24	...	0·42	0·74	1·05	0·30	...	0·14	0·40	...	...	0·44	...	1·15	0·62	4·60	2·18	...	0·60	0·43
		Palamow ...	1·02	...	...	1·22	0·36	0·92	...	0·26	0·37	1·39	2·47	0·10	0·02	0·10	...	4 78	0·81	0·51	1·85	0·15
		Silli ...	1 30	...	1·40	1·70	0·80	0·40	...	...	0·60	...	...	1·80	...	...	1 00	10·00	0·80	0·30	3·00	1·00
		Balumat ...	1·20	...	...	1·16	...	...	...	...	2·00	...	...	0·50	...	1·00	1·60	...	2·00	1·00	0·50	1·60
		Hoseinabad ..																				
		Garwah ...	1·00	...	...	3·75	0·23	0·25	...	1·50	0·01	0·50	0·25	0·75	0·45	...	2·00	3·50	0·40	...	0·50	...
	Singbhoom ...	Chyebassa ...	0·35	...	...	0·25	0·55	0 85	0 10	0·72	0·17	...	0·08	...	...	0·37	...	3·60	0·11	...	1·41	0·80
		Chakradharpore.	1·92	0·40	...	0·54	1·97	2·74	1·57	2·26	1·14	1·97										
		Ghatsila ...	0·24	...	...	0·36	...	0·65	...	0·26	0·70	0·53	1·75	0·05	...	...	0·20	...	1·00	...	4·15	0·3[illegible]
		Baharagura...	...	...	...	1·32	0·32	0·28	0·14	1·12	...	0·17	...	...	...	...	0·24	1·83	...	...	4·59	1·07
	Manbhoom ...	Purulia ...	1·27	...	...	0·09	0·06	0·78	0·71	0·04	0·30	0·07	0·20	1·32	0·02	0·03	1·42	1·67	2·79	...	0·98	2·1[illegible]
		Gobindpore ...	0·94	...	...	...	0·22	0·14	0·28	0·70	0·47	0·35	0·66	0·45	0·09	0·04	1·29	0·50	2·21	0·44	0·38	0·7[illegible]
		Raghunathpore.	1·43	...	...	0·34	0·39	0·23	0·63	0·12	0·72	...	0·12	3·39	0·00	0·12	2·25	0·21	1·39	0·07	0·57	1·2[illegible]
		Burrabhoom ..	1·30	...	...	0·30	0·70	0·60	0·50	0·40	0 13	...	0·47	...	...	1·00	0·60	2·08	3·15	...	2·16	1·0[illegible]
		Jhalda ..																				
		Okas ...																				

in Bengal for the month of August 1888—*concluded*.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st August 1888.	Average rainfall from 1st January up to 31st August 1888.	Station.	District.	Meteorological division.
...	0·10	0·02	...	...	0·22	6·27	2·88	0·54	...	...	20	10·4	13·30	10·06	6·37	30·07	23·42	Buxar ...	Shahabad.	SOUTH BEHAR
...	0·13	0·78	0·78	0·07	0·12	3·92	0·09	...	0·20	...	21	13·8	15·30	11·49	3·92	35·53	29·58	Dehree.		
...	0·65	1·69	...	...	...	1·00	0·60	3·80	0·15	...	18	14·1	17·13	12·00	3·80	33·67	32·42	Bhuboosh.		
0·16	......	0·56	0·43	...		5·31	0·52	0·63	...	1·00	17	15·6	18·81	12·25	5·31	35·13	31·40	Sasseram.		
0·05	......	0·30	...	0·05	4·30	5·50	0·35	0·78	...	0·75	20	15·3	17·74	10·35	5·50	37·93	33·31	Arrah.		
2·10	0·60	...	0·60	...	...	2·10	...	1·10	0·80	...	12	?	14·25	?	2·50	26·98	?	*Mohaniah.*		
...	0·59	1·43	0·93	...	1·71	4·16	...	...	0·52	0·45	21	14·2	21·11	12·98	4·16	47·01	33·77	Aurungabad ...	Gya.	
0·05	0·02	0·46	0·38	0·55	1·78	7·50	...	...	...	0·01	21	16·7	28·59	10·61	7·50	43·72	31·27	Gya.		
0·53	0·10	0·08	0·97	0·95	6·23	5·00	...	0·04	0·09	0·12	24	13·0	26·52	11·48	6·23	44·86	32·55	Nowadah.		
0·06	......	0·22	0·07	0·20	3·26	9·05	1·43	0·26	0·45	0·02	22	14·4	22·06	12·90	9·05	39·27	33·31	Jehanabad.		
0·21	......	0·17	...	...	3·10	6·74	1·10	...	...	0·15	13	?	17·12	?	6·74	31·80	?	*Arwal.*		
0·13	......	...	0·24	...	1·24	5·07	1·45	...	0·45	0·50	14	?	18·15	?	5·07	36·63	?	*Daudnagar.*		
...	......	...	0·40	...	1·80	3·50	...	...	..	..	13	?	17·42	?	6·00	23·92	?	*Sherghati.*		
0·30	0·35	0·50	0·60	0·96	0·80	1·60	1·00	0·80	0·60	0·50	24	?	14·80	?	1·60	27·33	?	*Rajauli.*		
0·15	......	...	1·38	3·00	5·50	2·25	1·00	...	...	...	17	?	18·87	?	5·50	32·74	?	*Pakri Barawan.*		
0·48	......	0·36	...	0·44	1·99	3·13	0·33	...	0·27	2·65	21	16·8	17·11	10·00	3·13	36·71	30·83	Patna ...	Patna.	
0·34	......	0·44	...	0·16	1·76	4·80	0·60	...	0·55	0·43	17	13·4	15·53	11·50	4·80	39·57	32·56	Dinapore.		
0·41	0·61	0·29	0·72	0·76	5·70	1·75	...	0·47	0·28	0·26	27	17·2	21·41	11·33	5·70	48·53	34·45	Behar.		
0·45	0·05	1·25	0·60	1·30	5·40	1·35	...	...	0·48	1·40	21	12·1	17·35	9·80	5·40	41·97	31·09	Barrh.		
...	......	..	...	...	2·20	6·25	0·50	...	0·80	0·25	16	?	17·05	?	6·25	41·55	?	*Bickram.*		
0·12	0·14	0·32	0·85	0·53	2·95	5·45	0·56	...	0·54	...	25	?	23·78	?	5·45	41·63	?	*Hilsa.*		
0·33	0·67	0·84	0·25	3·25	4·20	0·75	...	0·05	0·52	2·39	24	15·0	19·27	10·33	4·20	38·74	31·77	Begooserai ..	Monghyr.	
0·51	0·12	0·34	0·08	2·67	2·68	0·11	...	0·06	...	0·95	24	17·6	14·12	10·72	2·68	44·17	33·12	Monghyr.		
...	0·55	0·19	0·20	3·40	6·28	1·01	...	0·76	1·55	0·98	22	15·1	25·26	12·14	6·28	44·52	35·16	Jamui.		
1·63	0·58	0·45	0·18	2·57	2·73	0·46	...	...	...	4·27	10	?	19·67	?	4·27	46·05	?	*Gogri.*		
...	0·08	...	2·42	4·03	4·15	2·35	...	...	0·68	0·68	16	?	27·04	?	4·15	54·40	?	*Sheikpura.*		
0·19	0·11	0·25	0·11	2·66	2·38	0·15	0·09	0·05	...	1·45	22	17·5	16·88	10·80	2·60	48·85	35·54	Bhagulpore ..	South Bhagulpore.	
...	0·04	0·36	0·15	3·02	0·49	0·11	1·11	0·29	...	2·22	25	17·5	19·14	11·55	3·02	33·48	34·03	Banka.		
...	0·28	·27	0·22	1·90	4·16	0·09	0·04	...	0·19	1·61	20	?	15·35	?	4·16	44·35	?	*Kolgong.*		
0·20	0·43	0·04	0·09	3·33	7·32	0·08	...	3·68	...	0·08	22	15·7	23·50	10·63	7·32	42·46	40·51	Rajmehal ...	Sonthal Pergunnahs	
0·02	0·20	0·12	2·26	2·10	0·53	0·07	1·16	...	0·04	0·33	26	16·3	19·65	11·95	3·50	41·53	35·19	Godah.		
0·18	......	0·15	0·65	3·04	3·25	0·03	0·08	0·85	...	1·77	26	17·7	19·70	13·46	3·04	51·23	44·97	Pakour.		
0·51	0·23	0·18	0·57	2·91	0·52	0·10	0·09	0·42	0·07	2·67	29	23·0	20·36	14·07	2·91	47·46	42·98	Nya Doomka.		
0·12	......	0·22	0·35	5·35	2·73	0·20	...	...	1·73	1·08	26	19·1	22·35	13·37	5·35	46·24	37·68	Deoghur.		
2·11	0·32	0·07	0·73	1·89	2·21	...	...	...	...	1·78	21	18·6	22·16	13·24	3·05	48·54	40·40	Jamtara.		
0·85	......	1·45		1·15	0·39	...	...	...	0·35	1·95	16	?	19·46	?	2·16	?	?	*Mohagama.*		
...	......	...	0·12	1·80	0·15	...	...	...	...	0·80	12	?	11·84	?	2·11	26·22	?	*Nanihat*		
0·28	0·10	0·66	0·23	3·72	4·85	0·24	0·03	0·30	1·21	1·40	30	22·8	23·78	12·04	4·85	46·50	38·69	Pachamba ... (*Giridi*).	Hazaribagh.	CHUTIA NAGPUR
...	0·09	1·45	1·07	0·44	3·00	0·76	0·17	0·05	0·14	0·76	29	22·3	25·08	13·14	7·00	50·34	38·14	Hazaribagh.		
...	3·93	0·68	0·65	1·50	1·86	0·10	...	0·15	...	0·78	23	16·9	21·56	12·81	3·98	47·25	38·54	Semtagurah.		
												18·2						Mahudi Hills.		
1·00	1·10	1·70	1·60									20·1						Jhoomrah Hills		
...	......	0·27	1·55	0·60	5·75	2·50	0·44	...	0·20	...	21	?	21·80	?	5·75	46·89	?	*Barhi.*		
...	0·18	0·82	2·10	0·23	1·59	2·20	...	...	0·28	...	22	?	19·44	?	3·00	47·79	?	*Chatra.*		
...	4·80		...	5·40	4·80	...	...	...	...	...	8	?	22·92	?	5·40	41·53	?	*Karagdeha.*		
0·04	0·50	1·40	1·15	0·15	1·13	0·49	0·15	...	...	...	27	?	24·09	?	3·50	41·15	?	*Ramghar.*		
0·25	0·96	0·87	0·67	0·11	0·18	0·73	0·70	0·05	...	0·01	30	25·3	17·42	13·08	3·25	41·19	39·42	Lohardugga ...	Lohardugga.	
0·37	0·48	0·64	1·60	0·18	...	0·52	0·34	0·36	0·80	0·11	24	21·6	20·70	12·27	4·60	47·25	38·42	Ranchi.		
...	0·68	1·17	0·83	0·10	0·22	1·06	0·03	...	0·05	0·20	25	17·5	20·63	12·03	4·73	41·92	33·41	Palamow.		
...	1·30	1·70	0·70	...	0·50	1·40	...	...	...	...	18	?	29·70	?	10·00	?	?	*Silli.*		
0·20	......	0·80	0·30									?		?			?	*Balumat.*		
																		Hosemabad.		
														?	3·75	44·70	?	*Garwah.*		
1·42	2·00	1·00	...	...	1·50	...	...	...	...	0·14	19	?	22·07	13·78	3·60	38·29	43·07	Chyebassa ...	Singbhoom.	
0·08	1·05	1·20	2·71	0·57	...	...	...	...	1·00	1·30	20	22·1	17·25	?	3·75	2	?	*Chakradharpore.*		
				...	...	...	...	...	0·13	0·18		?								
0·75	0·19	3·02	3·05	0·75	..	0·27	...	...	...	...	18	?	18·17	?	4·15	49·75	?	*Ghatsila.*		
...	1·76	1·77	2·27	2·28	0·27	...	0·31	...	...	2·09	17	?	21·83	?	4·59	56·62	?	*Baharagura.*		
0·07	0·91	1·06	1·16	0·04	0·51	0·17	1·79	...	0·31	0·95	27	21·2	20·97	12·96	2·79	50·86	38·09	Purulia ...	Manbhoom.	
0·45	0·24	0·16	0·85	0·92	1·09	0·03	0·03	0·51	0·03	0·30	28	20·0	14·78	12·49	2·11	30·51	35·82	Gobindpore.		
0·27	0·24	0·80	1·35	0·21	0·80	3·21	0·11	1·81	0·11	1·83	28	?	24·02	?	3·21	47·98	?	*Raghunathpore.*		
0·09	0·50	0·68	3·76	0·15	0·04	0·45	1·30	0·12	...	0·50	24	?	21·87	?	3·70	48·86	?	*Barrabhoom.*		
																		Jhalda.		
																		Chas.		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, DURING THE MONTH OF AUGUST 1888.

THE normal meteorological conditions in Bengal during August resemble those of July to a very great extent, and the south-west monsoon winds continue to blow over the province with almost undiminished force during the greater part of the month, though towards the end of it, or commencement of September, wind velocities begin to fall off. The normal rainfall in August is distinctly, though slightly, smaller than in July, and this would tend to show that the monsoon current even in August commences to weaken. The greater part of the rainfall in Bengal in August is undoubtedly brought up by the Bay of Bengal current, but a considerable part of the rainfall at the western stations of the province is also due to the Bombay branch of the current, which, interacting in these districts with the Bengal branch, causes ascensional air motion, and consequently increased precipitation of rain. The Bay of Bengal branch alone gives the heaviest rainfall to the southern, eastern, and northern districts, but the interaction just mentioned increases the rainfall in the western districts, and thus supplements the action of the Bengal current, and tends to produce greater uniformity of rainfall over the whole province.

Th· actual amount of rainfall in August will therefore no doubt depend mainly on the strength and volume of the Bay of Bengal monsoon current, the heaviest rainfalls usually occurring in the eastern and northern districts, and the amount slowly diminishing towards the western districts; but the actual distribution will be affected by the causes which have been discussed in the previous monthly summaries. One of the causes which will produce marked variations from the normal distribution of rainfall will be the formation and passage of areas of barometric depression or small cyclonic storms, which bring large amounts of rain to the districts through which they pass The formation of such storms is a prominent characteristic of many rainy seasons, though they are to a certain extent absent in others; and as the line of country through which they pass varies very considerably, they are prominent causes in modifying the distribution of rain in particular years. A second cause which modifies the normal distribution of the rainfall is the varying strengths of the two currents, and the amount and position of their interaction, and it will be seen that, if from any cause a larger amount of interaction than usual takes place over the western districts of the province, the rainfall will be increased by a corresponding amount.

The normal distribution of rainfall during the month is comparatively simple. The two localities in which rainfall is heaviest, and where the amount exceeds 20 inches, include, first the Chittagong, Noakholly, and Backergunge districts; and second, the Julpigoree, Cooch Behar, and Darjeeling districts. The area which receives a rainfall of between 20 and 15 inches starts from Saugor Island and runs nearly parallel to the sea coast, then turns to the north, runs parallel to the Tipperah and Sylhet hills, and through the centre of the Rungpore district to Kissengunge in the Purneah district. The greater part of Chutia Nagpur, and of South-West Central, East and North Bengal receives a rainfall of from 12 to 15 inches, while the greater part of Behar receives only from 10 to 12 inches. The central districts of Behar receive the smallest amounts of rain, the average being generally rather less than 10 inches.

Meteorology of the month.—At the close of July a feeble low pressure area of only slight importance was lying over West Bengal, the centre of the depression and of the accompanying cyclonic circulation of winds being near Bankoora. On August 1st, this small depression had advanced into Behar, and the centre of the wind circulation and of the barometric depression was near Gya, and on the morning of the 2nd the small depression had passed out of the province, and conditions became normal, except that the monsoon current in the Bay was rather more westerly than usual. During the advance of the small depression through the western districts of the province as usual rather heavy rainfall was received, but with its comparative cessation at this time the first important barometric depression of the month was formed at the head of the Bay.

Barometric depression of August 4th to 10th.—On the 4th August a general and rather rapid fall of pressure took place, the fall being largest at Saugor Island, where it amounted to 0 075 inch. These changes accompanied the formation of a slight but distinct barometric depression over the Sunderbuns, the centre of which was to the south-east of Saugor Island, and which was accompanied by a distinct, though feeble, cyclonic circulation of winds. The formation and continued existence of this depression formed the only feature of importance in the meteorology of the first ten days of the month. It continued to be an extremely feeble but remarkably persistent storm, and remained almost unchanged in position and intensity in the north-west angle of the Bay for four days, the centre drifting gradually to the south and south-west of Saugor Island up till the 8th, when the centre was close to the coast, and on the morning of the 9th the centre had advanced inland and was to the south-west of Calcutta. During this day the feeble storm continued to move in a westerly direction, and on the morning of the 10th the centre was in the Singbhoom district of Chutia Nagpur, the centre being near Chyebassa; while generally over the remainder of the province conditions had become of ordinary monsoon character. During the whole of its existence the depression

was accompanied by a feeble cyclonic circulation of winds only, which, however, affected the wind directions over a considerable area of the province.

During the existence of this storm at the head of the Bay the indraught towards it and the general cyclonic circulation set up prevented the ordinary monsoon winds from flowing over Bengal, and for the greater part of this period rainfall was rather light and local in the majority of districts. In the case of Orissa, however, and the south-western districts of South-West Bengal, as these districts were under the immediate influence of the depression, rainfall continued general during its formation, and as the depression passed inland, it brought up heavy rainfall to Orissa and parts of South-West Bengal, and particularly to the Balasore district. With the further inland advance of the depression rather heavy rain fell in Chutia Nagpur, and the monsoon current then commenced to spread over Bengal, making conditions again favourable for general rainfall over the whole province.

On the 11th a very rapid fall of pressure took place in South-West Bengal, and another small depression was formed, the centre of which was between Saugor Island and Calcutta, the small storm being accompanied by a very distinct cyclonic circulation of winds. On the 12th the small storm had disappeared, though there was on this day a tendency to the formation of a low-pressure area, accompanied by slight circulation of winds, over the eastern part of South Behar. This very feeble depression gave heavy rain over South-West Bengal. Conditions remained practically unaltered on the 13th, but on the 14th a rapid increase took place in the strength of the westerly component in the wind directions, and the easterly and south-easterly winds which were previously blowing were replaced by westerly and south-westerly winds in all districts, except the extreme east and north of the province. A very rapid increase of pressure also took place in the western and south-western districts, and the area of minimum pressure was transferred to the southern districts of North Bengal, where also there existed a marked tendency to the setting up of a cyclonic circulation of winds. At this period the second barometric depression of the month was formed which was decidedly important, even though it was formed over the land area and not over the sea as is usually the case.

Barometric depression of August 15th to the 23rd.—This depression was formed over the north of the province by the interaction of two opposing wind systems which was followed by a particularly heavy rain over the north and centre of the province Pressure also rose rapidly in all except the northern districts, and by the morning of the 15th a distinct barometric depression had formed, accompanied by a fairly complete cyclonic circulation of winds, the centre of the depression being to the south east of Bhagulpore On the 16th the depression had moved slowly in a westerly direction, and the centre was to the south or south-south-west of Bhagulpore, and on the 17th it had again moved in a westerly direction, and was lying over the western part of Behar and part of Chutia Nagpur, the centre being not very far from Gya and Hazaribagh, and slightly to the north or north-north-east of the latter station. On the 18th the depression was in Bundelkund, and the centre between Sutna and Nowgong; on the 19th it was in Central India, and the centre was some distance to the south-west of Jhansi; on the 20th it was in Western Rajputana, and the centre was approaching Mount Abu; on the 21st it was approaching the Runn of Cutch, and on the 22nd the depression filled up rapidly, and by the morning of the 23rd it had completely disappeared. This storm had therefore a life-history of eight days from the 15th to the 23rd, though after the 18th it practically ceased to affect the meteorology of Bengal. The small storm also travelled over a path of 1,200 to 1,300 miles in its westerly advance, and almost throughout its existence it gave rise to heavy rain.

During the existence of the previous small storm in Central and Western India certain changes were taking place at the head of the Bay, which resulted in the formation of by far the most important storm of the month, and which also gave rise in its rear of one of the strongest south-westerly gales that have been felt at the Sandheads and at Saugor Island for many years past The history of this storm, as given in the weekly reports which have been previously issued, is mainly as follows:—

Cyclonic storm of August 19th to the 29th.—Even on the 17th August there were slight indications of the possible formation of a barometric depression in the north-west angle of the Bay, but these indications had not developed at all on the 18th, and conditions were still of ordinary south-west monsoon character. On the 19th, though pressure was rising over the whole of South-West Bengal, the wind directions showed that there was a small cyclonic circulation of winds or whirl setting up over the Sunderbuns, the centre of the circulation being about east or east-south-east of Saugor Island On the 20th pressure had fallen at the head of the Bay, and the wind circulation became rather more complete, but on this day the centre of the whirl was to the south of Saugor Island. On the 21st the centre of the cyclonic circulation had again shifted back to the east or south-east of Saugor Island, while the depression had increased very slightly in intensity, and on the 22nd the centre of the small storm passed inland and was to the north-east of Saugor Island, and with the advance of the storm centre over the land pressure fell rather rapidly over South-West Bengal. The wind velocities at all stations in the neighbourhood of the depression on this day were very small—thus at Saugor Island

a velocity of 19 miles was registered, at Calcutta 9 miles, at Burrisal 5 miles, and at False Point 12 miles. On the 23rd, at 8 A.M., and again in the report for 10 A.M., the centre of the small storm was shown to be close to Calcutta, apparently within a few miles of it, and a little to the south-east, and the barometer had again fallen, making the barometric depression at the centre of the storm considerable. Notwithstanding the considerable depression, the wind velocities at the stations affected by the storm were very small, and thus at Saugor Island there was a wind velocity of only 13 miles, at Calcutta 9 miles, and at Jessore 12 miles, though to the east, west and south of the storm, winds were decidedly strengthening, and moderately strong winds were blowing. In the 24 hours from the 22nd to 8 A.M. of the 23rd, the small storm had apparently moved about 30 or 35 miles in a north-westerly direction, and the storm centre was certainly about 60 or 65 miles inland. Over the whole of South-West Bengal on this day winds were only light to moderate in force, and it appeared as if throughout its existence the storm would only give feeble winds, though the rainfall accompanying it was heavy, and falls of six and seven inches had been reported in Orissa on the morning of the 23rd. At the head of the Bay, it was believed that squally weather only prevailed in connection with the storm, for the storm centre was actually a considerable distance inland, and for certainly a diameter of 120 miles in the centre of the storm only light to moderate winds were blowing. Conditions, however, began to change on the afternoon of the 23rd, and the storm centre commenced to advance more rapidly than hitherto, and by 6 P.M. it was almost to the east of Calcutta, and by 8 P.M. it was slightly to the east-north-east of that station. With the advance of the storm, winds also commenced to increase in force at Saugor Island, though up to about 3 P.M. moderate westerly winds only were blowing. After this time a strong south-westerly gale sprang up, and for some hours it continually increased in strength. As pointed out above, when this south-westerly and south-south-westerly gale sprang up at Saugor Island, the storm centre was at least 60 to 70 miles inland, being near Calcutta, and therefore to the north-north-east of Saugor Island. In other words, it would appear that this south-westerly gale formed no part of the true cyclonic circulation of winds accompanying the storm, but was merely an after-effect produced mainly by the strong indraught towards the storm in its advance over the land, and which south-westerly winds helped to feed the cyclonic circulation, which also at this time increased rapidly in force. That such is the case is clear, for with the centre of the storm to the east of Calcutta a cyclonic circulation of winds could only have given a north-westerly gale at Saugor Island, whereas when the wind direction was west at Saugor Island, the velocity was still light. At what time this south-westerly gale sprang up at sea in connection with the storm it is difficult to say, for the land observations give no indication of its existence until the storm actually commenced to blow at Saugor Island.

Notwithstanding that the actual storm area was well inland, as the strong south-westerly gale continued to blow at Saugor Island during the evening of the 23rd with unabated force, it was thought desirable to warn the shipping in the port of Calcutta and the river Hooghly of the existence of the stormy weather, and at 1-20 A.M. on the 24th orders were issued to the signal stations in the river and port to hoist No. 10 night warning signal to be followed at daylight by No. 9 danger signal, and these signals were kept hoisted until orders were given at 8 A.M. on the 25th to have them lowered. The southerly gale of wind at Saugor Island continued to increase in force until 5 A.M. of the 24th, when the extremely high wind velocity of 72 miles an hour was recorded, and throughout the 24th, until about 7 A.M. of the 25th, a gale of wind continued to blow, but at that time the weather commenced decidedly to moderate. At Calcutta winds continued light up till about 3 o'clock on the 24th, at which hour the velocity was only 10 miles an hour, from 3 to 4 o'clock it had increased to 20 miles, and from that time it gradually but steadily increased up till 8 o'clock, when it was blowing at 34 miles an hour, but after this time it gradually decreased again.

At 8 A.M. on the morning of the 24th, the centre of the storm was to the north of Calcutta, and at 10 A.M. the centre was nearly over Krishnaghur. The storm had intensified very rapidly during the 24 hours from the 23rd to the 24th, and on the latter day it was a very influential storm with the remarkable difference that, while on the 23rd at all stations within 60 or 70 miles of the centre of the storm, the winds were particularly light, and at some stations it was even calm, on the morning of the 24th there was a very vigorous cyclonic circulation round the centre. The lowest pressures recorded in connection with the storm do not appear to have been coincident with the passage of the centre of the wind circulation, and at Calcutta pressure continued to fall for some time after the wind had gone round to the south-west, the lowest pressure recorded being 29·313 inches at 6 A.M. of the 24th, while at 10 A.M. of the 24th a pressure of 29·354 inches was recorded at Krishnaghur.

The storm continued its slow north-westerly advance, and on the morning of the 25th it was in the Sonthal Pergunnahs district, the centre being to the west of Nya Doomka. On the 26th it advanced into the middle of Behar, and its centre was to the east of Gya and to the south-west of Bhagulpore, but the storm centre was at a considerable distance from any meteorological observatory; on the 27th the storm was close to Patna, the centre being to the

east or north-east of that station, and on the 28th the storm had passed from Bengal into the North-West Provinces, and the centre was to the south of Gorakpur. Up to the 27th the intensity of the storm had continued to be very considerable, and on this day with its approach towards Patna pressure fell by more than a fifth of an inch, and a pressure of 29·49 inches was reported, but with the advance of the storm into the North-West Provinces the storm rapidly decreased in intensity, and commenced to fill up, and on the morning of the 28th it was a comparatively feeble storm. During the 28th and up to the morning of the 29th, the decrease in intensity continued, and on the latter day the only indication of its existence was a feeble residual cyclonic circulation of winds in Oudh and Rohilkund, while on the 30th it had entirely disappeared. As the storm had formed at the head of the Bay on the morning of the 19th, it had therefore a life-history of eleven days, while the course it travelled over was barely six hundred miles. From the period the 23rd to the 27th, it was a decidedly influential storm accompanied by very strong winds and in its progress it brought up extremely heavy rain, but previous to and after the date mentioned the storm was of little importance. The meteorological conditions of Bengal then continued of fairly normal character up to the last day of the month, but on the 31st again a feeble barometric depression commenced to form in the north of the Bay, accompanied by a distinct cyclonic circulation of winds, though in all cases the wind velocities were light.

In addition to the very stormy weather brought about by the cyclonic storm just described, the rainfall accompanying it was of excessive heaviness, and in the line near the centre of its track a few stations received falls in excess of ten inches within 24 hours, while several received amounts larger than six and seven inches, and falls in excess of four and five inches were very numerous. The following instances will show some of the heaviest falls within 24 hours at stations near the track of the storm:—Mohesreka (Ooolooberia) 15·42 inches, Dum-Dum 12 26 inches, Howrah 11·66 inches, Saugor Island 11·14 inches, Alipore 10·19 inches, Jehanabad 9·05 inches, Gya 7·59 inches, and Rajmehal 7·32 inches. In fact, the heaviness of the falls accompanying the storm was so great that the districts through which it passed generally show a rainfall about ten inches in excess of the normal amounts for the month.

It will thus be seen that the province was subject to the action of one decidedly severe cyclonic storm and of two rather influential barometric depressions, together with two smaller and rather feeble depressions during the month, most of which, however, affected the western districts msot severely. Thus the rainfall of all the districts in the province except North Bengal has been in excess of the normal for the month, while in Orissa, South-West Bengal and South Behar, the excess has been particularly large, amounting to between seven and ten inches.

Pressure.—The variations of pressure during the month have been very considerable, and very large changes took place during the passage of the cyclonic storm as previously described. At the beginning of the month there was a slight but distinct excess pressure over the greater part of the province, but the excess was very equally distributed. The effect of the first of the barometric depressions then began to show itself, and pressure became rather largely below the normal in the south-western districts, while at the stations in the north of the province pressure was almost normal. The defective pressure still continued up to about the middle of the month, but with the development of the second depression in the centre of the province, pressure became more largely in defect over this area. For the remainder of the month the pressure distribution was governed by the formation and advance of the cyclonic storm, and at this period in the south-western districts a general defect, extending over some days, of more than a tenth of an inch was reported, but with the inland advance of the storm the defect was transferred to Behar, while finally at the close of the month pressure had become more normal. For the whole month practically it will be seen pressure was below the normal. The general defect over the whole of the province was equal to 0 043 inch, while at Burdwan the defect was 0·068 inch, and at Berhampore 0 062 inch, and, on the other hand, the smallest defects were 0·026 inch at Cuttack and 0·017 inch at Durbhunga. The largest defects are therefore to a great extent in the line taken during the advance of the cyclonic storm. In Assam a general average defect of 0·030 inch was registered.

Temperature—Has generally continued fairly low throughout the month, and there have been no variations during that period which call for any particular comment. For the whole month the general mean temperature of the province was 0·4° in defect of the normal. All districts show temperature in small defect, except North Behar, where a slight excess of 0·2° was registered. In Assam the mean temperature has been 0·4° in excess of the normal for the month.

Rainfall.—As has previously been explained, conditions have been eminently favourable for rainfall throughout the month, and in all districts, except North Bengal, falls in considerable excess of the normal have been received. In Orissa, South-West Bengal, East Bengal and South Behar, the stations have averaged a rainfall of about 20 inches; in Chutia Nagpur a fall of seventeen and-a half inches has been received, while North Behar and North Bengal have received about thirteen and twelve inches respectively. In Orissa the rainfall has been nearly ten inches in excess of the normal fall, and in South-West Bengal and South Behar between seven and eight inches in excess. In East Bengal and Chutia Nagpur the falls have

exceeded the normal by about five inches, and in North Behar the excess has been about two inches. Finally, the only district where the falls have been in defect of the normal has been North Bengal, where the defect amounts to nearly two inches.

So heavy has the rainfall in August been that the effect of the serious retardation of the monsoon in June has been more than neutralized, and the monsoon rainfall since the 15th May is now considerably above the normal in all districts, except North Bengal. Compared with the normal value, the rainfall for the present monsoon season has been seven inches in excess in South Behar, seven inches in excess in South-West Bengal, five inches in excess in Chutia Nagpur, two inches in excess in Orissa and East Bengal, and about half an inch in excess in North Behar. As previously stated, North Bengal has been in very considerable defect, the deficiency amounting to about seven inches.

The comparison of the actual rainfall of the various great divisions of the province during August with the normal is most accurately and conveniently shown in the form of a percentage. The figures representing the rainfall for the month calculated in this way are included in the table below under the heading of August. This table really gives a condensed summary of the rainfall statistics of the present year up to date for each meteorological division, the first eight columns giving the actual average rainfalls in each division in each month expressed as a percentage of the normal, while the ninth column gives the actual rainfall for the first eight months of the year expressed as a percentage of the rainfall of the period. The figures 100 in this table will therefore represent a normal fall, above 100 an excess fall, and so on—

Meteorological Division.	January.	February.	March.	April.	May.	June.	July.	August.	Actual rainfall of first eight months of 1888 expressed as a percentage of the normal fall for the period.
Orissa	4'0	198	41	46	92	30	81	185	102
South-West Bengal	207	125	67	141	62	57	131	157	113
East Bengal ...	258	109	119	221	90	53	120	133	107
North Bengal ...	52	72	122	180	95	69	100	87	90
North Behar ...	79	4	132	348	102	61	130	118	110
South Behar ...	157	17	19	69	59	39	135	169	119
Chutia Nagpur ...	235	104	5	24	39	30	128	134	100

Taking up the rainfall data a little more in detail, it will be found that it has varied from 45·8 inches at Cox's Bazar, 30·6 inches at Buxa in the hills in North Bengal, and 28·6 inches at Gya, to about six and five inches at some of the stations in North Behar, the smallest falls generally being received in the last named district and over a considerable area of North Bengal, comprising parts of the Rungpur, Bogra, and Rajshahye districts, and in parts of the Jessore district in South Bengal also.

Compared with the normal fall, parts of the Julpigoree district show falls more than ten inches in defect, and over considerable parts of the Darjeeling, Julpigoree, Kuch Behar, Rungpur and Chumparun districts defects of five inches and upwards are registered. Defects up to five inches are registered over a considerable part of the area represented by the following districts:—Mozufferpore, Durbhungah, Bhagulpur, Purneah, Dinagepur, Bogra, Pubna, Mymensingh and Jessore, while to the west and south of these all districts are in excess. The most marked area of excess is in the track followed by the cyclonic storm, and over a large part of this area excess falls of from 10 to 15 inches and in some cases above 15 inches are recorded, an excess of 18 inches being recorded at Gya, one of 17·3 inches at Ooloobeeriah, 15·5 inches at Howrah, and 15·2 inches at Kishnaghur.

The actually largest excess falls when compared with the normal are recorded in such districts as Howrah and in Gya, which have received more than double the usual amount, and in Patna and 24-Pergunnahs, which have received nearly double the usual amount, while, on the other hand, Chumparun shows a defect of about a third of the normal, and at Julpigoree and Purneah falls of about three-fourths of the normal only have been received.

The following table gives full data for the comparison of the actual and the normal rainfall of the month of August in all districts of the province. The figures are derived from the average and actual rainfall of the rain-recording stations in each district, due allowance or weight being made for the area which each station represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in each district. The third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states as a percentage how much the district rainfall of the month varied in excess or defect from the normal rainfall, and is hence the difference between the numbers in the third column and 100 :—

Division.	District.				
	Pooree	11·46	14·53	127	+ 27
Orissa ...	Cuttack	......	......	......	......
	Balasore	11·77	19·52	165	+ 65
	Midnapore	13·25	23·45	177	+ 77
	24-Pergunnahs	13·72	24·60	180	+ 80
	Howrah	14·28	30 85	216	+116
	Hooghly	14·21	22·96	162	+ 62
	Burdwan	12 36	17·69	143	+ 43
South-West Bengal	Bankoora	13·78	19·07	138	+ 38
	Beerbhoom	13·67	22·81	167	+ 67
	Nuddea	12·19	19·38	159	+ 59
	Khoolna	12·48	14·79	119	+ 19
	Jessore	11·54	11·82	102	+ 2
	Moorshedabad	11·79	14·33	122	+ 22
	Chittagong	23·48	40·12	171	+ 71
	Backergunge	16·14	26·10	162	+ 62
	Noakholly	23·49	32·16	137	+ 37
East Bengal ...	Furreedpore	12·08	14·65	121	+ 21
	Dacca	12·38	14·09	114	+ 14
	Commilla	......	......	......	
	Mymensingh	14·07	14·22	101	+ 1
	Pubna	11·95	10·70	90	— 10
	Bogra	11·81	11·40	97	— 3
	Rajshahye	11·48	11·57	101	+ 1
	Maldah	12·03	15·86	132	+ 32
North Bengal ...	Dinagepore	11·87	11·52	97	— 3
	Rungpore	12·35	10·47	85	— 15
	Cooch Behar	20·04	16·75	84	— 16
	Julpigoree	25·91	20·01	77	— 23
	Darjeeling	26·67	23·01	86	— 14
	Purneah	14·63	10·80	74	— 26
	North Bhagulpore	11·87	11·10	94	— 6
	Durbhunga	10·71	9·48	88	— 12
North Behar ...	Mozufferpore	......	......	......	......
	Chumparun	12·18	8·34	68	— 32
	Sarun	......	......	......	......
	Shahabad	11·40	17·14	150	+ 50
	Gya	11·71	25·50	218	+118
	Patna	10·58	19·85	188	+ 88
South Behar ...	Monghyr	11·21	19·41	173	+ 73
	South Bhagulpore	11·23	18·18	162	+ 62
	Sonthal Pergunnahs	12·79	23·72	178	+ 78
	Hazaribagh	13·07	24·65	189	+ 89
	Lohardugga	12·51	18·80	150	+ 50
Chutia Nagpur	Singbhoom	13·78	17·25	125	+ 25
	Manbhoom	12·87	19 73	153	+ 53

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological divisions of the Province for the month of August 1888 :—

Meteorological Divisions.	Temperature.						Rainfall.							
	month.*	Averages for month.				...bove ...nth.	Of month.			Rainy days.			Since 15th May.	
		highest ...ay.	...t day			mean ... normal				Num... ber	...rage ... nth.			...mal ...erage.
Orissa*	97·9	73·1	86·7	78·8	82·5	—0·6	20·70	11·18	+9·52	20·3	18·3	+2·0	36·90	34·79
South-West Bengal ...	95·6	73·7	87·5	78·2	83·9	—0·6	20·05	12·76	+7·29	22·2	19·5	+2·7	44·58	37·58
East Bengal	93·8	70·8	85·8	77·5	81·6	—0·4	21·02	15·87	+5·15	23·0	22·0	+1·0	50·80	54·74
North Bengal	93·9	69·7	88·6	77·9	83·3	+0·2	12·22	14·13	—1·91	18·0	18·8	—0·8	41·43	51·40
North Behar	94·2	71·6	88·7	78·0	83·4	—0·4	13·72	11·60	+2·12	17·5	16·0	+1·5	35·02	34·54
South Behar	96·0	73·3	88·3	78·1	83·2	—0·4	19·10	11·30	+7·80	22·4	16·1	+6·3	40·60	31·60
Chutia Nagpur	88·0†	69·4†	82·1†	72·3†	77·2†	—0·7†	17·63	13·20	+4·43	25·5	20·7	+4·8	41·57	36·34
	96·6	74·8	89·2	77·8	83·5	+0·4								

* Pooree dot included. † Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 11*th September* 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Beng[al]

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree	29·735	29·747	—	Calm	183·0	93·1	3rd Sept.	77·1	6th Sept.	91·6*	79·6*	85·6*	—	81·1
		Gopalpore	29·707	29·757	+·054	North-westerly.	175·0	91·2	3rd „	77·8	3rd „	88·3	79·7	84·0	+0·8	85·1
		False Point	29·738	29·759	+·011	Northerly	180·0	91·5	6th „	74·1	6th „	87·4	76·7	82·1	—0·7	84·2
	Cuttack	Cuttack	29·681	29·762	+·025	Calm	25·0	93·9	6th „	74·8	6th „	90·3	78·3	84·3	+0·5	85·1
	Balasore	Balasore	29·720*	29·780	+·061*	North-easterly.	83·3	93·4	6th „	74·8	1st, 6th & 7th Sept.	87·2	76·7	82·0	—0·1	83·8
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·736	29·762	+·020	Easterly	190·0	91·2	6th „	77·0	1st „	86·8	78·1	82·5	—0·7	83·3
	Midnapore	Midnapore	29·635	29·786	+·060	N	46·3	92·3	6th „	75·8	6th „	88·4	77·2	82·8	+0·1	83·6
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·742	29·764	+·036	South-easterly.	58·0	89·5	5th, 6th Sept.	75·2	1st „	86·5	77·1	81·8	—0·7	82·8
	Burdwan	Burdwan	29·661	29·762	+·032	S	36·5	92·1	1st, 2nd, 6th, Sept.	76·4	1st & 6th Sept.	90·7	78·5	84·6	+0·8	83·6
	Bankoora	Bankoora	29·468	—	—	Calm	75·0	92·6	6th „	74·6	6th „	88·0	77·1	82·6	—	83·1
	Beerbhoom, West Burdwan	Raneegunge	29·438	29·747	+·044	North-easterly.	56·7	92·0	6th „	74·9	6th „	87·6	77·5	82·5	—0·2	83·4
	Moorshedabad	Berhampore	29·708	29·775	+·034	Easterly	78·2	92·7	1st „	76·3	6th „	88·9	77·9	83·4	—0·6	84·4
	Nuddea	Krishnaghur	29·731	29·797	+·018	SSE	105·1	90·8	6th „	76·3	2nd „	8·3	77·8	83·1	+0·3	84·3
	Jessore, Khoolna	Jessore	29·748	29·782	+·032	South-easterly.	78·4	93·8	6th „	77·4	6th „	89·2	8·9	84·1	+0·7	85·3
East Bengal.	Chittagong	Chittagong	29·706	29·795	—·005	NE	58·0	90·6	3rd & 5th Sept.	73·0	3rd „	87·9	76·1	82·0	+0·8	84·0
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29·767	29·779	+·045	SSE	64·4	92·3	5th „	75·4	3rd „	88·5	77·5	82·9	+1·5	83·4
	Noakholly	Noakholly	29·735*	29·779*	—	E	83·7	89·7	5th 6th	75·8	3rd „	87·2	78·0	82·6	—	83·5
	Furreedpore	Furreedpore	29·759	29·799	+·066	SE	70·0	90·0	6th „	75·9	6th „	86·6	78·0	81·3	+0·1	82·7
	Dacca	Dacca	?	?	?	SE	82·0	93·1	6th „	73·1	7th „	88·7*	77·7*	83·2*	+0·1*	83·3
	Commillah	Commillah	29·750	29·786	+·026	SE	68·0	92·3	6th „	75·8	3rd „	89·7	77·9	83·8	+2·5	84·6
	Mymensingh	Mymensingh	29·759*	29·817*	+·071*	ESE	69·5	90·8	6th „	76·1	7th „	88·6	77·4	83·0	+0·5	83·7
North Bengal.	Bogra	Bogra	29·704	29·767	—	Calm	60·3	92·3	4th, 6th Sept.	76·8	5th „	89·8	78·1	84·0	—	84·7
	Pubna	Serajgunge	29·733	29·780	+·040	South-easterly.	53·0	93·1	5th „	76·7	5th & 7th Sept.	88·9	77·9	83·4	+1·2	84·4
	Rajshahye	Rampore Beauleah.	29·712	29·782	+·052	ESE	88·0	91·2	5th „	75·6	6th „	88·4	78·2	83·3	+1·4	85·2
	Maldah	Maldah	29·661?	—	—	SE	70·5	89·8	3rd „	71·1	4th „	89·1	76·9	83·0	—	83·6
	Dinagepore	Dinagepore	29·650	29·770	+·040	Easterly.	74·0	92·6	6th „	76·1	6th „	89·2	78·0	83·9	+1·2	85·4
	Rungpore	Rungpore	29·645	29·770	+·035	SSE	46·0	93·8	4th, 6th Sept.	75·2	5th „	90·4	77·7	84·0	+1·4	84·7
	Julpigoree, Cooch Behar	Julpigoree	29·483	29·769	+·034	E, SE	61·2	92·0	6th „	73·8	5th „	88·4	76·3	82·4	+1·5	84·5
	Darjeeling Hill Tracts	Darjeeling	23·013	—	+·044	E	88·8	70·6*	6th „	55·6	7th „	65·9	56·5	61·2	+0·2*	64·0
North Behar.	Purneah, North Bhagulpore	Purneah	29·653	29·780	+·058	SE	32·0	91·7	4th „	73·6	6th „	88·6	75·5	82·1	—2·1	85·6
	Mozufferpore	Mozufferpore	Observations not received.													
	Durbhunga	Durbhunga	29·601	29·768	+·069	ESE		88·9	6th „	77·3	7th „	87·2*	79·5*	83·4*	—0·1	84·9
	Chumparun	Motihari	29··38	29·765	+·058	ENE, SE	114·8	93·7	6th „	74·9	7th „	90·6	76·0	83·3	+0·5	87·4
	Sarun	Chupra	29·569	29·764	+·065	E	68·3	90·5	6th „	76·6	1st „	85·6	77·7	81·7	—2·2	85·2
South Behar.	Shahabad	Dehree	29·403	29·759	+·044	SSW	150·1*	90·8	7th „	75·0	2nd & 7th Sept.	88·7	77·4	83·0	+0·5	83·5
		Buxar	29·529	29·772	+·048	South-easterly.	85·0	91·4	7th „	75·3	2nd „	88·3	77·0	82·7	—0·5	85·0
		Arrah	29·571	29·769	+·073	E	12·6*	92·4	7th „	75·6	4th „	89·3	77·1	83·2	—0·5	83·7
	Gya	Gya	29·373	29·752	+·027	Calm	38·2*	91·4	7th „	74·3	5th „	88·8	75·7	82·3	—1·8	83·9
	Patna	Bankipore	29·586	29·770	+·043	Variable	51·8	90·9	7th „	77·2	2nd „	87·9	78·4	83·2	—1·0	84·3
	South Bhagulpore, Monghyr	Bhagulpore	29·613	29·776	+·059	S	49·0	89·7	5th „	76·0	6th „	87·8	78·0	82·9	0	85·1
	Sonthal Pergunnahs	Doomka	29·206	—	—	Calm	59·8	91·1	6th „	74·8	6th „	87·3	76·5	81·9	—	83·2
Chota Nagpore.	Hazaribagh	Hazaribagh	27·769	29·775	+·045	Variable	122·1	85·9	6th „	70·2	2nd „	82·5	71·8	77·2	—1·1	77·8
	Lohardugga, Manbhoom	Ranchee	27·645	29·764	+·050	Variable	189·6	85·5	6th „	68·4	6th „	83·5	70·5	77·0	—0·1	76·2
	Singbhoom	Chyebassa	28·969	—	+·068	Variable	20·1	91·4	6th „	74·4	7th „	87·9	76·2	82·1	—	83·0
Assam.	......	Sibsagar	29·498	29·832	+·036	Variable	51·0	95·6	7th „	74·5	3rd „	92·7	77·3	85·0	+1·7	83·3
	......	Dhubri	29·687	29·804	+·051	Calm	81·3	90·7	4th „	76·8	7th „	88·1	77·7	82·9	+1·6	82·4
	......	Silchar	29·698	29·804	—·014	Calm	55·0	95·6	7th & 8th Sept.	74·8	4th „	93·1	76·9	85·0	+2·5	84·8

Explanation.—*Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbe[r] ... the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 21 ... in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Mean of six days.

...or the week ending Friday, the 7th of September 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	Districts.	Meteorological Division.
87	5·7	1·32		2·40		2·40			36·48			3·8	Pooree ...	Pooree	Orissa.
75	4·0	0·30	—	—	—	—	—	—	—	—	—	—	Gopalpore .		
78	8·1	1·56	—	—	—	—	—	—	—	—	—	—	False Point ...		
78	7·4	3·73		2·44		2·44			37·31			3·7	Cuttack ..	Cuttack	
87	6·6	3·16		2·56		2·56			37·78			3·8	Balasore ...	Balasore	
86	8·1	2·05	1·71	3·67	1·71	3·67	—1·96	44·65	45·50	—0·85	3·0	4·0	Saugor Island ..	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
83	4·3	1·54	3·65	2·42	3·65	2·42	+1·23	53·01	40·60	+12·41	4·0	3·7	Midnapore ...	Midnapore	
82	8·0	4·50	2·54	2·81	2·54	2·81	—0·27	53·20	40·67	+12·53	3·1	4·3	Calcutta ...	24-Pergunnahs ... ... Howrah ... ... Hooghly	
78	8·0	3·20	1·52	2·10	1·52	2·10	—0·58	47·39	36·28	+11·11	3·3	3·8	Burdwan ...	Burdwan	
82	6·9	1·73	2·20	2·50	2·20	2·50	—0·30	46·74	41·77	+4·97	3·3	3·7	Bankoora ...	Bankoora	
81	7·4	2·56	2·20	3·15	2·20	3·15	—0·95	49·26	40·69	+8·57	4·0	4·2	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
83	8·4	1·52	1·86	3·02	1·86	3·02	—1·16	38·30	38·09	+0·21	4·2	4·3	Berhampore ...	Moorshedabad	
80	7·3	1·90	1·48	2·32	1·48	2·33	—0·84	45·23	37·81	+7·42	3·0	4·0	Krishnaghur ...	Nuddea	
80	8·1	1·53	1·62	2·55	1·62	2·55	—0·93	37·62	41·28	—3·66	3·3	4·2	Jessore ...	Jessore ... ... Khoolna	
83	5·7	5·60		5·14		5·14			94·55			5·1	Chittagong ...	Chittagong	
				3·27		3·27			61·39			5·3	Demagiri ...	Chittagong Hill Tracts	East Bengal.
85	7·1	2·94		3·47		3·47			60·34			5·1	Barrisal ...	Backergunge	
83	7·7	3·04		5·27		5·27			85·28			5·4	Noakholly ...	Noakholly	
85	6·1	2·95	2·06	2·56	2·06	2·56	—0·50	41·36	43·40	—2·04	3·7	4·3	Furreedpore ...	Furreedpore	
86	7·7	2·81	2·87	3·44	2·87	3·44	—0·57	48·96	47·00	+1·96	4·5	4·6	Dacca ...	Dacca	
88	5·0	1·50		3·42		3·42			54·34			4·7	Commillah ...	Commillah	
85	7·0	1·10	2·71	3·26	2·71	3·26	—0·55	55·57	51·26	+4·31	4·2	4·2	Mymensingh ...	Mymensingh	
80	5·6	0·78	1·33	2·71	1·33	2·71	—1·38	37·51	44·29	—6·78	3·5	3·7	Bogra ...	Bogra	
81	5·9	0·42	1·06	2·90	1·06	2·90	—1·84	36·85	40·43	—3·58	4·0	3·8	Serajgunge ...	Pubna	North Bengal.
80	3·4	3·94	1·24	3·45	1·24	3·45	—2·21	32·74	40·61	—7·87	3·5	4·1	Rampore Beauleah	Rajshahye	
87	4·6	2·27	2·25	3·18	2·25	3·18	—0·93	33·94	41·88	—7·94	4·5	4·2	Maldah ...	Maldah	
79	6·0	0·70	2·10	3·33	2·10	3·33	—1·23	40·43	45·08	—4·65	3·8	4·0	Dinagepore ...	Dinagepore	
79	4·0	1·51	1·15	3·88	1·15	3·88	—2·73	47·41	58·64	—11·23	2·3	4·2	Rungpore ...	Rungpore	
88	2·8	3·28	1·84	6·82	1·84	6·82	—4·98	77·58	89·78	—12·20	3·4	5·4	Julpigoree ...	Julpigoree ... ... Cooch Behar	
87	8·4	2·49	2·71	55·3	2·71	5·53	—2·82	83·95	100·53	—16·58	4·8	5·5	Darjeeling ...	Darjeeling Hill Tracts	
83	4·3	2·69	2·60	3·29	2·60	3·29	—0·69	43·07	45·29	—2·22	4·6	3·9	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
			1·37	2·74	1·37	2·74	—1·37	36·81	33·02	+3·79	4·0	3·2	Mozufferpore ...	Mozufferpore	
83	5·0	2·66	2·85	3·13	2·85	3·13	—0·28	36·06	34·87	+1·19	5·0	3·4	Durbhunga ...	Durbhunga	
73	7·7	2·13	1·89	2·77	1·89	2·77	—0·88	35·03	35·82	—0·79	5·0	3·2	Motihari ...	Chumparun	
83	4·7	2·94	1·44	1·92	1·44	1·92	—0·48	30·38	32·05	—1·67	4·3	3·0	Chupra ...	Sarun	
82	3·9	6·23											Dehree ...		South Behar.
78	6·6	5·19	4·65	1·93	4·65	1·93	+2·72	37·82	30·24	+7·58	5·4	3·2	Buxar ...	Shahabad	
84	7·3	2·72											Arrah ...		
76	5·1	6·12	3·78	1·89	3·78	1·89	+1·89	46·06	32·74	+13·32	5·5	3·0	Gya ...	Gya	
83	8·7	1·85	3·03	2·13	3·03	2·13	+0·90	43·88	32·23	+11·65	4·5	3·2	Bankipore ...	Patna	
79	2·4	1·74	2·81	2·61	2·81	2·61	+0·20	43·41	33·83	+9·58	4·6	3·4	Bhagulpore ...	South Bhagulpore ... Monghyr	
80	4·3	1·36	1·97	2·98	1·97	2·98	—1·01	46·28	39·14	+7·14	4·0	4·0	Doomka ...	Sonthal Pergunnahs...	
83	10·0	2·73		2·65		2·65			39·47			4·2	Hazaribagh ...	Hazaribagh	Chota Nagpore.
81	8·7	2·41	3·61	2·85	3·61	2·85	+0·76	45·34	38·37	+6·97	4·7	4·4	Ranchi ...	Lohardugga	
			4·06	1·82	4·06	1·82	+2·24	41·90	36·83	+5·07	4·5	4·1		Manbhoom	
78	6·6	2·30	2·21	2·43	2·21	2·43	—0·22	36·63	41·40	—4·77	3·0	4·3	Chyebassa ...	Singbhoom	
85	8·1	1·24											Sibsagar	... ..	Assam.
86	7·3	1·02											Dhubri	......	
81	6·1	3·31											Silchar	... ..	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means ...years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 7th of September 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 1st September.	Sunday, 2nd September.	Monday, 3rd September.	Tuesday, 4th September.	Wednesday, 5th September.	Thursday, 6th September.	Friday, 7th September.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	0·28	......	......	......	1·17	2	1·45	1·45	2·46	25·63	31·59
		Khurdah ...	......	....	1·02	.. ..	... ..	0·65					2·24		39·09
		Banpur ...	......	0·97	1·00	0·08							2·18		38·21
		False Point ...	......	...		...	......	0·95	0·61	2	1·56	1·56	2·72	40·52	41·88
		Gop ...	.. ..	0·88	0·11								?		?
		Pipli ..	......	. ....	. ...	1·30							?		?
	Cuttack	Jagatsingpore											1·66		31·47
		Banki ..	.. ...	.. ..	0·43	0·04		1·34					3·28		37·27
		Cuttack ...	. ...	0·24	0·89	0·12	0·13	2·39					2·74		41·57
		Kendrapara ...	......	......	0·02	.....	.. ...	1·26	......	2	1·28	1·28	2·10	38·59	37·89
		Jajpore ...	......	......	0·24	......	......	1·75	......	2	1·99	1·99	2·35	47 58	39·61
		Dharmsala ..	......	. ..	0 80	......	1·00						?		?
		Salipore ...											?		?
	Balasore ..	Chandbali ...											2·15		35·24
		Bhuddruck ...	1·06	0·07	.. ..	0·16		1·28					2 31		36·09
		Sorah ...		0·69	0·33	..	......	1·83	0·11	4	2·96	2·96	2·62	38·38	35·85
		Balasore ..	0·17	.. ..	..	0·19	... ..	4·65	0·14	4	5·15	5·15	2·94	42·80	40·64
		Jellasore ..	0·06	0·50	0·37	.....	0·04	2·60	0·62	6	4·19	4 19	2 95	48·90	39·02
		Baripodah ...	0 25	.... .	.. ...	. ..	0·58	0·95	0·15	4	1 93	1·93	2·38	44·29	39·00
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	...	... .	0·10	. ..	... ..	1·15	...	2	1·25	1·25	3·73	42·96	41·04
		Saugor Island	0 22	. .	.	... ..	......	1·75	... ..	2	1·97	1·97	3·04	44·89	47 14
		Tumlook ...	6·20	... ..	0·10	.	.. . .	1·00	0·20	4	7·50	7·50	2·51	58·50	39·96
		Midnapore ...	0·55	..	0·12	.. ..	.. .	1·04	0 03	4	1·74	1·74	2 15	54·58	37·89
		Ghattal ...	1 17	.	0·10	...	... ..	0 31	0·12	4	1·70	1·70	2 57	45·93	43·87
		Kukrahaty ...	1·38		... ..		..	0·75	0·09	3	2·22	2·22	?	54·27	?
		Heria ...	0·16	0 53	.. .	0·03	...	1·55	0·13	5	2·40	2·40	?	42·04	?
		Bhagwanpore	1·40	0·39	1 05	... ..	... ..	1·65	0·05	5	4 54	4 54	?	41·37	?
		Garbeta ...	2·22	... .	......	.....	..	0·48	0·52	3	3·22	3·22	?	60·40	?
	24-Pergunnahs	Diamond Harbour ..	0·45	0·10	0·13	.. .	. .	1·13	0·10	5	1·91	1·91	4·25	46·10	45 31
		Canning Town	0·61	.. ...	... ..	..	......	0·25	0·27	3	1·13	1·13	?	47 06	?
		Alipore Jail ..	2·52	...	..	.. ..	... ..	1 12	0·08	3	3·72	3·72	3·61	50·11	43·52
		Barrackpore...	0 97	..	... ..	.	.. .	1 04	0·45	3	2·46	2·46	2·27	52·49	39·34
		Dum-Dum ...	1·08	. . ..	.		... .	1·17	...	2	2 25	2 25	3·39	54·26	40·70
		Baraset ..	1 59	.	..	.. .	..	1·19	0·45	3	3·23	3 23	2·94	53·63	38·80
		Busserhat ...	0·58	0·61	.. .	... .	......	0·58	0·09	4	1·86	1·86	2·91	46·19	43·17
	Howrah ..	Howrah ...	3·61	.		. ..	... ..	0·69	0·02	3	4 32	4·32	3·43	55·44	40·67
		Mohesreka (*Ooloberiah.*) ...	0 55	0·05	...	......	......	0·74	0·03	4	1·37	1·37	2 27	52·97	40 98
	Hooghly ..	Serampore ...	0·67	... ..	...	.. ..	......	1·14	0·10	3	1·91	1·91	2·62	54·61	39·67
		Hooghly ...	0 31	... ..	... ..	. ..	......	0·47	0·92	3	1·70	1·70	2·35	56·81	38·29
		Jehanabad ...	1·58	. . .	......	.. ..	.... .	1·00	0·03	3	2·61	2·61	2·35	51·50	43·63
	Burdwan ...	Culna ...	0·55	......	... .	......	.. ..	0 14	0·07	3	0·76	0·76	1·66	52·07	34·28
		Burdwan ...	1·29	....	0 02		......	0·37	0·52	4	2·20	2·20	2 45	56·06	37·46
		Cutwa ...	0·04	...	... ..	...	... ..	1·22	0·35	3	1·61	1·61	2·18	53·45	36 76
		Raneegunge ...	0·98	0·05	.. ...	.. .	. ...	1·57	0·04	4	2·64	2·64	2·46	53·68	39·64
		Mankur ...	1·32	... .	......	......	... ..	0·95	1·89	3	4·16	4·16	?	39·04	?
	Bankoora ...	Bankoora ...	0·80	0·04	.. ...	.. ..	... ..	0 40	0·60	4	1·84	1 84	2·01	42·80	40·39
		Bishenpore ...	1·02	... ..	.....	... ..	... ..	0·46	0·44	3	1·92	1·92	2·71	48·55	41·60
		Mahara ...	0·88	. ....	. ....	......	.. ...	0·93	0·37	3	2·18	2·18	2·06	45·33	42 98
		Khatra ...	1·10	.. .	. ....	...	.. .	1·62	0·12	3	2·84	2·84	3 21	50·22	41·89
		Indas ...	1·45	0·03	. ....	. ..	. . ..	0 21	0 03	4	1·72	1·72	?	37·05	?
		Kotalpore ...	1·13	......	... ..	. . ..	......	0 44	..	2	1·57	1·57	?	44 93	?
		Anda ...	0 10	.. ...	......	..	... .	0·10	1 60	3	1·80	1·80	?	33 19	?
		Gangajalghati	1·13	.. .	......	0 71	.. ...	2·12	0·22	4	4·18	4·18	?	52·44	?
		Raipore ...	0·65	......	... ..	... .	.. ..	0·45	0·25	3	1·35	1·35	?	51 32	?
		Sonamukhi ...	0·73	0 05	......	.. ..	.. ..	0·79	......	3	1·57	1·57	?	41·73	?
	Beerbhoom .	Bh. Soory ...	0·76	0·06	......	.. ...	......	0·32	0·47	4	1·61	1·61	3·33	45·97	42·30
		Hetampore ...	0·89	0·21	. .	.... .	0·40	... ..	0·12	4	1·62	1·62	3·31	43·19	43·18
		Rampore Haut	1 39	0·09	... ..	......	......	1·18	0·25	4	2 91	2·91	3·48	54·19	39·14
		Bolpore ...	1·05	. . .	... ..	......	.. .	0·85	0·64	3	2·54	2·54	?	53·73	?
		Murarai ...	1·02	0·18	......	. ..	.... .	1·10	0·16	4	2·46	2·46	?	?	?
	Nuddea ..	Ranaghat ...	0·71	......	......	......	......	0·40	0·40	3	1·60	1·60	2·09	51·86	37·29
		Kisnaghur ...	0·64	. . ..	.... .	... ..	... ..	0·43	......	2	1 07	1·07	2·31	56·93	35·20
		Choordanga ..	0·35	...	......	... ..	... ..	1·20	0·15	3	1·70	1·70	2 52	45 40	38·45
		Meherpore ...	0 41	..	......	......	... ..	0·20	0·22	3	0·83	0 83	2·05	41·75	37·12
		Kooshtea ...	0·13	0·05	. .	......	... ..	1·60	0·44	4	2·22	2·22	2 63	30 43	40 86
	Khoolna ..	Satkhira ...	0·08	0·04	......	.....	......	0·40	......	3	0·52	0·52	2·05	32·02	42·30
		Bagirhat ...	0 65	......	......	.. ..	. ..	1·30	... ..	2	1·95	1·95	3·11	40 13	47·77
		Khoolna ...	0·41	......	......	......	0·48	0·20	0·50	4	1·59	1·59	2·88	42·89	43·83
	Jessore ...	Narail ...	0·47	0·06	......	......	.....	0·48	0·07	4	1 08	1·08	2 50	24·96	36·33
		Jessore ...	..	0·22	......	... ..	......	0·90	......	2	1·12	1·12	2·60	46·83	42·60
		Jhenidah ...	0·97	......	......	.... .	... ..	1·19	0·69	3	2·85	2·85	2 65	31·54	41·25
		Magoorah ...	0·92	0·35	.....	... ..	.. ...	0·20	0·32	4	1·79	1·79	2·04	34·92	37·82
		Bongong ...	0·65	0·27	.....	.. ...	... ..	1·05	0 05	4	2·02	2·02	1·93	41·76	38·96
	Moorshedabad	Kandi ...	0·15	...	... .	......	......	1·07	......	2	1·22	1·22	2·51	45·36	38·10
		Berhampore ...	0·08	0·30	..	... .	......	0·54	0·12	4	1·04	1·04	2 07	34·18	37·94
		Lalbagh ...	0 16	0·31	0·24	0·42	......	0·51	0·13	6	1·77	1·77	2·70	36·78	37·66
		Azimgunge ...	0·15	0·18	0·05	......	.. ...	0·90	.. ..	4	1·28	1·28	3·10	?	36·95
		Jungipore ...	0·45	0 27	.. ...	......	......	1·08	0·34	4	2·14	2·14	3·33	35·29	37·69
		Lalgola ...	0·50	0·13	0·20	... ..	......	2·80	0 05	5	3·68	3·68	3·48	41·00	38·65
		Jaigunge ...	0·25	0 16	0 11	. ..	......	0·86	0·02	5	1·40	1 40	?	37·27	?
		Akhrigunj ...	0·14	0·03	.. ...	......	......	6·52	0·14	3	6·83	6·83	?	41·30	?
		Patkabari ...	......	.... .	0·25	......	0·10	0·10	......	3	0·45	0·45	?	39·39	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	......	0·25	2·95	0·03	......	0 11	......	4	3·34	3·34	5·61	132·09	112·73
		Chittagong ...			4 39	......	0·40						4·08		76 47
		Kutubdia ...											?		?
		Satkanya ...	0·12	0·00	0 50								?		?
	Chittagong Hill Tracts.	Rangamati ...	......	......	1·68	......	0·25	1·17	0·70	4	3·80	3·80	3·87	64·41	64·48
		Ruma ...											3·17		57·54
	Backergunge	Patuakhally ..	......	......	0·97	......	1·07	0·52					3·81		69·11
		Perozepore ...	2·11	... .		......	1·55	0·11	0·13	4	3·90	3·90	3·72	56·35	54·47
		Burrisal ...	0·30	......	1·32	......	0·11	0·36	0·72	5	2·81	2·81	3·10	53·37	51·84
		Bhola ...	0·26	...	1·70	......	0· 4	.... .	0·80	4	3·19	3·19	3·25	54·72	64·81

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 7th of September 1888—contd.

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 1st September.	Sunday, 2nd September.	Monday, 3rd September.	Tuesday, 4th September.	Wednesday, 5th September.	Thursday, 6th September.	Friday, 7th September.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—concld.		*Gournaddi* ...	0·61	0·05	0·6	......	0·49	0·19	0·09	6	2·48	2·48	?	43·91	?
		Bauphal ...	......	......	3·10	......	1·09	0·72	0·62	4	5·53	5·53	?	79·43	?
	Noakholly	Noakholly ...	0·45	......	1·90	......	0·07	0·06					4·96		55·01
		Fenny ...	......	......	0·88	......	0·03	0·38					5·57		55·53
		Harishpore ...	......	......	......	4·98							?		?
		Ramganj ...	0·19	......	0·59	......	1·03						?		?
	Furreedpore	Madaripore ..	0·15	......	0·45	......	......	0·30	......	3	0·90	0·90	2·88	38·72	41·21
		Furreedpore...	......	1·19	......	......	0·73	0·40	0·83	4	3·14	3·14	2·58	45·10	44·59
		Goalundo ...	0·09	0·07	......	......	......	1·11	0·88	4	2·15	2·15	2·73	40·28	41·47
	Dacca ...	Munshigunge	0·60	0·09	0·15	......	......	2·70	1·31	5	4·85	4·85	3·96	58·80	54·67
		Dacca ...	0·18	0·07	......	......	......	0·96	1·54	4	2·75	2·75	3·44	46·16	46·85
		Naraingunge	0·23	0·13	0·11	......	......	1·43	0·79	5	2·69	2·69	3·41	55·34	46·32
		Manickgunge	0·07	......	......	......	0·01	0·74	0·36	4	1·18	1·18	2·95	41·50	39·87
		Joydebpore ...	0·20	0·04	0·01	......	......	0·29	0·80	5	1·34	1·34	?	54·55	?
	Hill Tipperah	Agartola ...	......	......	......	......	0·55	0·47					3·03		46·97
	Tipperah ..	Comilla ...	......	......	1·33	......	......	0·80	0·27	3	40	2·40	3·74	55·65	61·97
		Chandpore ..	1·10	......	0·55	......	0·12	0·14	1·80	5	3·91	3·91	3·59	48·64	61·22
		Brahmunberia	......	0·15	0·07	......	......	0·27	0·28	4	0·67	0·67	3·30		40·45
		Ramchandrapore.	0·40	0·38	0·02	0·08	0·45	0·78	1·79	7	3·90	3·90	?	40·32	?
		Nasirnagar ...	......	......	0·50	......	......	1·12					?		?
		Daudkandi ...	0·14	0·06	......	......	......	4·30	0·47	4	4·97	4·97	?	54·55	?
		Kasba ...	......	......	1·60	......	......	2·05	0·14	3	3·79	3·79	?	48·55	?
		Laksham ...	......	......	0·89	......	......	0·41	......	2	1·30	1·30	?	57·55	?
	Mymensingh	Kishoregunge	0·71	2·72	......	......	......	0·42	2·02	4	5·87	5·87	3·84	68·22	54·14
		Atia (*Tangail*)	0·18	......	......	......	......	0·69	......	2	0·87	0·87	2·23	31·55	42·12
		Mymensingh	0·86	0·35	0·04	......	......	0·18	0·43	5	1·36	1·36	3·36	57·68	56·47
		Jamalpore ..	0·59	......	......	0·35	......	0·01	0·02	4	0·97	0·97	4·13	55·55	49·27
		Netrokona ...	0·40	0·12	2·40	0·61	......	0·27	0·70	6	4·46	4·46	2·76	68·64	54·19
		Subornakhally	0·15	0·13	......	......	......	0·55	......	3	0·83	0·83	?	48·36	?
		Durgapore ...	0·40	......	0·50	......	......						?		?
		Dewanganj ...	......	......	......	......	......	......	0·41	1	0·41	0·41	?	40·61	?
NORTH BENGAL.	Pubna	Pubna ...	0·22	0·55	......	......	......	0·56	0·33	4	1·66	1·66	3·15	35·72	40·00
		Seraigunge ...	0·12	0·06	......	......	......	0·25	0·02	4	0·45	0·45	2·66	37·97	40·20
	Bogra	Sherpore ...	0·47	......	1·35	......	......	0·32	......	3	2·14	2·14	2·93	34·52	45·14
		Nowkhilla ...	0·13	......	......	0·16	......	0·07	......	3	0·36	0·36	1·90	43·05	40·79
		Bogra ...	0·21	0·20	0·16	......	......	0·25	......	4	0·82	0·82	2·82	35·23	47·84
		Panchbibi ...	0·43	0·95	0·02	......	......	0·55	......	4	2·00	2·00	3·11	37·28	43·87
	Rajshahye	Beauleah ...	0·32	0·07	......	......	......	0·05	0·18	4	0·62	0·62	3·03	21·62	39·51
		Nattore ...	......	1·10	......	......	......	0·40	0·35	3	1·85	1·85	3·87	43·83	61·69
		Naogaon ...	0·07	0·30	......	......	......	1·38	......	3	1·79	1·79	?	28·27	?
		Lalpore ...	0·34	......	......	0·06	......	0·66	1·73	4	2·79	2·79	?	32·85	?
		Manda ...	0·11	......	......	......	......	0·68	0·66	3	1·45	1·45	?	25·02	?
	Maldah ...	Maldah ...	0·02	0·90	0·38	......	......	0·90	0·07	5	2·27	2·27	3·68	40·88	38·75
		Chanchal ...	0·60	0·24	......	......	......	1·17	0·22	4	2·23	2·23	2·68	26·98	45·01
		Gajol ...	0·20	0·20	......	......	......	0·80	0·40	4	1·60	1·60	?	30·65	?
		Sibganj ...	0·25	0·56	......	......	......	0·32	0·70	4	1·83	1·83	?	38·74	?
	Dinagepore ...	Mohadebpore	0·60	......	0·37	......	0·13	......	0·45	4	1·55	1·55	3·45	33·37	45·95
		Churamon ...	1·87	0·78	......	0·31	......	0·62	......	4	3·58	3·58	3·36	36·48	40·57
		Raigunge ...	1·70	......	......	1·57	......	......	0·40	3	3·67	3·67	3·12	44·44	47·25
		Dinagepore .	0·48	0·06	......	......	......	0·15	0·41	4	1·10	1·10	3·40	52·63	50·48
		Baloorghat .	0·22	......	0·07	0·24	......	0·05	......	4	0·58	0·58	3·33	34·75	41·80
		Thakoorgaon	......	......	......	2·09	......	0·40	......	2	2·49	2·49	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	......	......	......	......	......	......	0·88	1	0·88	0·88	3·57	39·18	47·43
		Rungpore ...	......	......	......	0·02	......	0·53	0·73	3	1·28	1·28	4·17	44·32	59·10
		Kurigram ...	......	......	......	......	......	0·73	0·69	2	1·42	1·42	3·57	59·41	60·00
		Bagdogra (*Nilphamari*).	......	......	......	0·05	......	0·17	0·80	3	1·02	1·02	4·21	40·71	68·68
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	44·43	?
	Julpigoree ...	Julpigoree ...	1·48	0·21	......	0·14	......	0·24	1·46	5	3·53	3·53	5·88	92·27	98·26
		Alipore Doar	0·22	0·18	......	......	......	......	1·33	3	1·73	1·73	?	69·93	?
		Fallacotta ...	0·12	......	......	0·09	......	......	1·45	3	1·66	1·66	?	77·21	?
		Debiganj ...	......	......	......	0·60	......	0·05	0·63	3	1·28	1·28	?	56·37	?
	Cooch Behar..	Dinhatta ...	......	......	......	......	......	0·23	0·15	2	0·38	0·38	7·43	81·05	75·13
		Cooch Behar...	......	......	......	......	......	1·76	0·45	2	2·21	2·21	6·14	85·97	95·89
		Mekligunge...	0·57	......	......	1·08	......	......	1·16	3	2·81	2·81	7·67	67·24	89·15
		Matabhanga...	0·05	0·02	0·07	......	......	0·03	0·10	5	0·27	0·27	6·98	66·37	91·24
	Darjeeling Hill.	Buxa ...	1·00	0·33	0·30	2·33	......	......	......	4	4·01	4·01	8·34	129·89	157·84
		Siliguri ...	0·40	......	......	......	......	0·25	0·11	3	0·76	0·76	4·55	69·37	87·44
		Darjeeling ...	0·78	0·14	0·25	0·83	0·10	......	0·43	6	2·53	2·53	5·98	77·12	80·02
		Kalimpong ...	1·39	0·03	0·10	0·76	......	0·04	0·60	6	2·92	2·92	3·26	59·01	67·50
NORTH BEHAR	Purneah	Kissengunge...	0·72	......	0·17	......	......	0·28	0·07	4	1·24	1·24	3·95	41·58	55·17
		Arrareah ..	0·65	......	......	0·30	......	0·19	0·09	4	1·23	1·23	3·46	43·50	49·33
		Purneah ..	0·61	0·25	......	......	......	0·75	0·07	4	1·68	1·68	3·34	40·97	46·24
		Gondwara ...	......	......	......	......	......	1·50	0·40	2	1·90	1·90	?		?
		Balarampore	......	......	......	1·60	......	1·44	0·80	3	3·84	3·84	?		?
		Mattari ...	0·91	1·36	......	0·05	......	......	0·37	4	2·69	2·69	?	?	?
		Kaliaganj ...	0·67	1·01	0·02	......	......	0·13	0·53	5	2·36	2·36	?	51·21	?
	North Bhagulpore	Maddapore ...	0·62	1·80	1·08	1·10	......	0·25	0·45	6	5·30	5·30	2·93	50·83	37·39
		Soopool ...	2·51	0·31	......	0·10	......	0·50	0·12	5	3·54	3·54	2·77	38·43	37·73
		Protabganj ...	1·50	1·45	0·40	......	......	......	0·25	4	3·60	3·60	?	36·81	?
	Durbhunga .	Tajpore ...	0·09	1·10	0·88	0·03	......	0·35	0·02	6	2·47	2·47	2·70	36·21	33·88
		Durbhunga ...	1·74	0·08	0·64	......	......	0·20	......	4	2·66	2·66	3·35	31·43	35·06
		Madhubani ...	1·18	0·41	0·36	......	......	1·00	0·48	5	3·43	3·43	3·34	38·50	31·85
		Bahera ...	2·80	0·10	0·15	......	......	0·50	......	4	3·55	3·55	?	47·01	?
		Roshera ...	1·74	0·90	0·26	......	......	0·47	......	4	3·37	3·37	?	37·56	[illegible]
	Mozufferpore	Sitamarhi ...	0·31	0·15	......	......	......	0·50	0·20	4	1·16	1·16	3·03	30·23	32·05
		Mozufferpore	0·22	0·32	0·27	......	......	......	......	3	0·81	0·81	2·99	37·70	34·25
		Hajipore ...	0·95	0·50	0·08	......	......	0·15	0·45	5	2·13	2·13	3·21	42·49	32·11
		Paru ...	0·30	0·10	0·25	0·10	......	......	0·20	5	0·95	0·95	?	33·28	?
		Mahua ...	0·33	0·25	0·38	......	......	0·07	0·20	5	1·23	1·23	?	32·08	?
		Bauhar ...	0·45	0·55	0·60	......	......	0·55	0·92	5	3·07	3·07	?	24·01	?
		Pupri ...	0·40	......	......	......	......	0·90	0·20	3	1·50	1·50	?	20·09	?
	Chumparun .	Motihari ...	0·67	0·05	0·09	0·12	......	0·20	0·43	6	1·56	1·56	3·29	30·76	34
		Bettiah ...	0·54	......	0·20	1·41	0·06	......	......	4	2·21	2·21	2·24	39·25	37·04
		Bagaha ...	0·07	0·09	0·43	1·21	......	0·10	0·19	6	2·09	2·09	?	42·19	?
		Burhurwa ...	0·33	0·40	0·43	0·13	......	0·35	0·02	6	1·66	1·66	?	56·35	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 7th of September 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 1st September.	Sunday, 2nd September.	Monday, 3rd September.	Tuesday, 4th September.	Wednesday, 5th September.	Thursday, 6th September.	Friday, 7th September.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun ...	Gopalgunge ...	0·37	0·43	0·19	......	......	......	......	3	0·99	0·99	1·95	29·81	32·65
		Sewan ...	0·25	0·40	... ..	......	......	......	0·31	3	0·96	0·96	1·94		32·44
		Chuprah ...	0·72	0·49	0·38	0·03	0·53	0·03	0·18	7	2·36	2·36	1·87	32·26	31·10
SOUTH BEHAR	Shahabad ...	Buxar ...	0·14	1·89	0·34	2·16	0·07	0·70	0·62	7	5·92	5·92	2·14	34·81	26·96
		Dehree ...	......	3·31	0·11	0·40	0·11	0·67	1·65	6	6·18	6·18	2·33	29·81	26·76
		Bhuboosh ...	......	1·20	......	0·40	0·10	0·60	1·00	5	3·30	3·30	1·80	35·67	31·69
		Sasseram ...	......	1·31	0·13	0·66	......	......	1·80	4	3·90	3·90	1·48	27·64	30·42
		Arrah ...	0·35	0·75	1·90	0·43	......	......	0·50	5	3·93	3·93	1·94	40·89	31·07
		Mohania ...	......	1·10	0·50	......	......	......	0·90	3	2·50	2·50	?	29·18	?
	Gya ...	Aurungabad...	......	2·32	0·58	0·07	1·40	0·15	0·61	6	5·13	5·13	1·93	51·41	33·69
		Gya ...	1·60	0·04	1·32	0·18	1·82	0·30	0·60	7	6·06	6·06	1·96	48·05	33·34
		Nowadah ...	0·09	......	......	......	......	0·06	0·50	3	0·65	0·65	1·94	43·92	31·30
		Jehanabad ...	0·15	0·05	1·72	0·65	0·55	......	0·15	6	3·27	3·27	1·70	41·26	33·04
		Arwal ...	3·16	0·86	0·19	0·45	0·71	0·24	... ..	6	5·61	5·61	?	35·61	?
		Daudnagar ...	......	1·50	0·09	0·95	0·94	0·94	0·70	6	5·12	5·12	?	40·55	?
		Sherrghati ...	1·00	......	......	......	0·30						?		?
		Rajauli ...											?		?
		Pakri Barawan	1·42	......	......	......	......	0·85	0·50	3	2·77	2·77	?	34·69	?
	Patna ...	Patna ...	......	0·28	0·14	......	......	1·28	0·15	4	1·85	1·85	2·11	37·72	29·74
		Dinapore ...	0·35	0·22	......	......	... ..	0·75	0·21	4	1·53	1·53	1·95	40·22	32·50
		Behar ...	0·08	0·10	0·29	......	0·75	......	0·31	5	1·53	1·53	2·12	48·98	33·29
		Barrh ...	0·20	4·40	1·00	......	......	......	1·00	4	7·20	7·20	2·34	46·57	30·42
		Bickram ...	0·60	2·10	0·20	0·40	......	......	1·70	5	5·00	5·00	?	35·65	?
		Hilsa ...	......	0·32	0·09	... ..	0·26	......	1·62	4	2·29	2·29	?	42·89	?
	Monghyr	Begooserai ...	0·09	0·50	0·20	......	......	0·15	2·50	5	3·44	3·44	2·40	41·26	31·26
		Monghyr ...	1·90	1·36	0·30	......	... ..	0·13	2·04	5	5·73	5·73	3·11	49·00	36·38
		Jamui ...	0·34	0·09	1·80	......	0·41	0·12	0·36	6	3·12	3·12	1·96	46·10	34·06
		Gogri ...	0·23	1·03	... ..	......	... ..	0·24	1·14	4	2·71	2·71	?	49·07	?
		Sheikpura ...	0·11	0·39	......	... ..	0·14	......	......	3	0·94	0·94	?	54·58	?
	South Bhagulpore.	Bhagulpore ...	0·47	......	......	......	......	0·28	0·19	3	0·94	0·94	2·12	47·55	32·73
		Banka ...	0·03	0·30	......	......	......	0·50	0·01	4	0·84	0·84	3·37	33·14	33·70
		Kolgong ..	0·34	......	0·15	......	......	0·18	0·44	4	1·11	1·11	?	44·50	?
	Sonthal Pergunnahs.	Rajmehal ...	0·05	0·08	......	......	......	0·43	0·06	4	0·62	0·62	3·24	41·56	39·40
		Godda ...	0·03	0·80	0·12	......	......	0·60	0·08	5	1·63	1·63	2·38	42·18	34·37
		Pakour ...	1·98	......	......	......	......	1·59	1·21	3	4·76	4·76	4·40	52·00	41·99
		Nya Doomka	0·57	0·01	... .	......	......	0·45	0·34	4	1·37	1·37	3·38	45·35	40·92
		Deoghur ..	0·25	0·28	0·49	......	......	0·37	0·28	5	1·67	1·67	2·55	46·38	38·60
		Jamtara ..	0·69	......	0·19	......	......	......	0·88	3	1·76	1·76	2·12	49·29	38·93
		Mohagama ...	......	......	......	0·85	......	......	1·30	2	2·15	2·15	?	?	?
		Nanshai ...	0·07	......	......	......	......	......	0·20	2	0·27	0·27	?	26·20	?
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*).	0·30	0·10	0·70	......	......	......	0·20	4	1·36	1·36	2·37	46·62	37·02
		Hazaribagh ...	0·72	0·09	0·13	0·12	......	0·25	0·81	6	2·12	2·12	2·70	50·31	37·77
		Somtagurah ..	0·52	0·21	0·28	1·08	......	1·06	0·78	6	3·93	3·93	2·45	49·26	35·74
		Mahudi Hills											2·54		37·96
		Jhoomrah Hills											3·21		47·91
		Barhi ...	0·70	0·20	0·55	......	......	0·36	......	4	1·81	1·81	?	47·27	?
		Chatra ...	0·50	2·20	0·33	......	......	......	1·65	4	4·68	4·68	?	50·09	?
		Karagdeha ...	......	... ..	......	......	......	......	4·30	1	4·30	4·30	?	44·73	?
		Ramghar ...	......	0·30	0·45	0·43	......	......	1·35	4	2·53	2·53	?	42·48	?
	Lohardugga ...	Lohardugga ...	0·58	0·18	0·16	2·70	......	......	0·85	5	4·47	4·47	3·41	41·73	40·21
		Ranchi ...	......	0·20	0·23	......	......	0·24	2·52	4	3·19	3·19	2·60	47·64	41·33
		Palamow ...	......	0·15	0·25	0·85	......	1·45	0·47	5	3·17	3·17	2·53	46·64	33·68
		Silli ...	......	2·10	1·00	......	......	1·00	......	3	4·10	4·10	?		?
		Balumat ...		0·66	......	......	0·51	......	0·84	3	2·01	2·01	?	?	?
		Hosseinabad...			0·66	0·10	0·46	7					?		?
		Garwah ...	......	......									?		?
	Singbhoom ...	Chyebassa ...	......	......	0·60	......	......	0·23	1·38	3	2·21	2·21	2·43	36·63	41·44
		Chakradharpore.	......					0·60	0·52	2	1·12	1·12	?	58·87	?
		Ghatsilla ...		......	......	......	......			......	......	......	?	......	?
		Baharagura...	0·60	......	......	......	......	......	......						
	Manbhoom ...	Purulia ...	0·77	......	0·67	......	......	2·87	0·58	4	4·89	4·89	1·87	51·48	36·77
		Gobindpore ...	1·49	0·27	0·35	......	... .	0·66	0·46	5	3·23	3·23	1·77	32·31	35·11
		Raghunathpore.	0·50	0·52	0·48	......	......	0·96	0·50	5	2·96	2·96	?	47·09	?
		Barrabhoom...	0·17	......	......	......	... ..	1·20	0·50	3	1·87	1·87	?	47·50	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 11*th September* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 7TH SEPTEMBER 1888.

At the close of the previous week, a small barometric depression, accompanied by a feeble cyclonic circulation of winds, had formed in the northern part of the Bay. The depression remained, without having changed its position or altered in intensity to any great extent, up till September 3rd, or the third day of the present week, when apparently it slowly filled up and disappeared without passing inland. On the 1st the centre of the feeble whirl was to the east or north-east of False Point, on the following day it was near the coast line between False Point and Balasore, and on the 3rd again it was east of False Point, while on the 4th it had entirely disappeared. Throughout its existence it communicated a distinct cyclonic character to the direction of the winds in the southern districts of the province without affecting their intensity. At the commencement of the week the general pressure distribution differed little from the normal, for the depression in the north-west of the Bay was very feeble. For the first two or three days of the week a gradual rise of pressure continued over the whole Bay, but the rise was least at the east coast stations and the barometer remained relatively low on the Arakan and Burmah coast. Heavy rain then occurred at Chittagong, where 4·74 inches was reported on the 3rd, and the barometer commenced to fall rather rapidly at the eastern stations. On the morning of the 4th conditions had decidedly changed, the centre of lowest pressure being transferred to the north-east of the Bay and to the Orissa coast, while again a distinct wind circulation was set up at the stations in South Bengal and in Orissa, and it is probable on this day that a distinct depression commenced to form in the north of the Bay. On the morning of the 5th conditions had again changed still further, a rapid fall of pressure was reported from south-east Bengal, and distinctly low pressures were reported from the east of the Bay. A rapid change had also taken place in the wind-systems in Bengal, and generally a northerly and north-westerly current was reported over the whole province. This appeared to show that the small depression in the Bay was intensifying considerably, though still winds to the south of it were light in force. On the morning of the 6th again the depression showed signs of having developed distinctly, and that it was drifting towards the Orissa Coast; for while a rapid rise of pressure, in some cases amounting to a tenth of an inch, had taken place at the eastern stations, on the Orissa coast pressure commenced to fall. Winds over the whole of Bengal on this day also formed part of a perfectly developed cyclonic circulation, the centre of which was off the Orissa coast. At the same time also winds in the rear of the depression strengthened, and at Diamond Island fairly strong winds were reported. These conditions appeared to show that the depression in the Bay had decidedly developed, and it was thought advisable to hoist the appropriate signal denoting the advance of a small cyclonic storm to the Orissa coast, and at 9-30 A.M. on the 6th, No. 5 signal was ordered to be hoisted in the river approaches to Calcutta and in the port, while also the ports on the Orissa coast were warned. Subsequently it was reported from Balasore that a small cyclonic storm passed over that station. Considering, however, the very distinct indications previously given of this storm, its intensity when it reached the land was decidedly small. As the small storm had passed inland on Thursday, the 6th, the bad weather signals were lowered on Friday morning at 5 A.M., and at 10 A.M. on the 7th the centre of the small storm was in the south-west of Chutia Nagpur. The weather that followed over Bengal was of the ordinary monsoon character; small changes of pressures occurred irregularly along the Orissa coast, and moderate differences of pressure were again reported over the Bay, indicating the continued flow of the south-west monsoon over the province.

Pressure.—Has been uniformly high over the whole province throughout the week, the only place having a mean pressure below the normal being Chittagong. At the beginning of the week the pressure was nearly normal over the Bay, but on the following four days there was a steady increase over the province and Bay, which was partly compensated for during the last three days by small and irregular falls. In the middle of the week the barometer fell very rapidly on the Chittagong coast, and rose there again rapidly on the 6th and 7th. At the following stations the mean pressure was more than a twentieth of an inch above the normal:—Balasore, Midnapore, Furreedpore, Durbhunga, and most of the stations in Behar For the whole province of Bengal, the mean pressure of the week has been 0·035 inch in excess of the normal, while in Assam pressure has been 0·024 inch in excess.

Temperature.—As the rainfall during the week has been rather lighter than usual, temperature has in some districts been slightly above the normal, though in others it has been below it, and for the whole province the mean temperature has been almost absolutely normal. The largest excess pressures have been from one to one-and-a-half degrees in East and North Bengal, while, on the other hand, North Behar shows a defect of a degree. In Assam the very considerable excess temperature of 1·9° is reported.

Rainfall.—Fairly general rain was reported over the whole province on the first day of the week, but during the existence of the feeble storm in the north of the Bay there was a partial break. and from the 2nd to the 5th inclusive, rainfall was decidedly lighter than it had been, and it was also very local, some districts receiving practically no rain. When, however, the second small storm commenced to advance in a westerly direction and to pass

over Orissa, general and rather heavy rain again set in over the province, and on the last two days of the week almost every station in the province reported rainfall. For the whole week the rainfall in South Behar and Chutia Nagpur has been decidedly above the normal, but elsewhere it has been below it. South Behar has received a general fall of a little more than three inches, or nearly an inch in excess of the usual amount. Chutia Nagpur has also received a fall of three inches, or about half an inch in excess. In South-west Bengal, East Bengal, and North Behar the falls have averaged between two and three inches, the falls in the three districts being a little more than half an inch in defect, and North Bengal and Orissa have received the smallest falls of about one-and-a-half and two inches. The fall in Orissa is about half an inch smaller than usual, while in North Bengal the fall is no less than about two-and-a-half inches in defect, the actual only equalling 40 per cent. of the usual fall.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 7th of September 1888 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE						RAINFALL.									
	Averages for week.					...erage mean of week above ...elow normal mean of week	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
		Lowe...								Av... w...	...al a... in w...					
Orissa	93·1	74·1	89·0	78·2	83·6	+0·1	2·10	2·08	—0·58	3·0	4·0	—1·0	2·10	2·68	39·00	37·47
South-West Bengal	93·8	74·6	88·3	77·8	83·0	0	2·07	2·72	—0·65	3·5	4·3	—0·8	2·07	2·72	40·65	40·30
East Bengal ..	93·1	73·0	88·1	77·6	82·9	+0·9	2·75	3·56	—0·81	4·3	4·8	—0·5	2·75	3·56	50·04	58·30
North Bengal ..	93·8	71·1	89·2	77·7	83·4	+1·3	1·61	4·01	—2·40	3·5	4·1	—0·6	1·61	4·01	46·06	55·50
North Behar ..	93·7	73·6	88·0	77·3	82·6	—1·0	2·16	2·83	—0·67	4·5	3·3	+1·2	2·16	2·83	37·18	37·37
South Behar ..	92·4	74·3	88·3	77·2	82·7	—0·6	3·18	2·33	+0·85	4·7	3·6	+1·1	3·18	2·33	43·78	33·93
Chutia Nagpur ..	85·9*	68·4*	83·0*	71·2*	77·1*	—0·6*	3·04	2·53	+0·51	4·4	4·4	0	3·04	2·53	44·61	38·87
Assam	95·6	74·5	91·3	77·3	84·3	+1·9										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 11th September 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 2nd to 8th September 1888.

	Date.		Number of bright suns		TEMPERATURE. M			Mi		HYGROMETRY.	Dew	H	WIND. Prevailing direction.		Rain.	WEATHER.
1888.		°		Inches.	°	°	°	°	°	nches	°				Inches.	
Sept.	2nd	151·5	5·7	29·657	82·0	87·7	11·4	76·3	78·8	0·944	77·5	86	NW by W and S	51	Nil	Chiefly cloudy, t.
	3rd	151·3	7·7	·691	83·2	87·9	10·2	77·7	79·4	·955	77·8	84	S, ESE and SE	94	Nil	Chiefly cloudy, ⌓.
	4th	151·5	10·7	·730	84·3	89·5	11·8	77·7	79·8	·959	78·0	82	SE, ESE and calm	41	Nil	Chiefly cloudy, ⌓.
	5th	146·5	5·4	·692	84·9	89·7	10·0	79·7	80·3	·977	78·5		ESE and N by W	86	0·33	Chiefly cloudy, o, g, d, p, ⌓.
	6th	138·5	0·3	·705	80·4	83·4	6·7	76·7	78·2	·936	77·2	90	E by S, SSW and SE	43	0·40	Cloudy, o, g, d, p, t.
	7th	151·0	4·2	·735	81·7	86·4	9·8	76·6	78·8	·950	77·7	88	SE by S and SE by E	81	0·08	Chiefly cloudy, o, d, p.
	8th	150·6	2·0	·747	82·5	87·8	10·1	77·7	78·9	·942	77·4	85	SE by E and SSW	71	0·03	Chiefly cloudy o, g, t, p. ⌓

	Inches.
The mean pressure of the seven days	29·707
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·651
	Hours.
The total number of hours of bright sunshine	36·0
The maximum possible number of hours of sunshine	87·2
	°
The mean temperature of the seven days	82·7
The average temperature of the corresponding period for 24 years, S. G.'s Office	83·4
The extreme variation of temperature	13·4
The maximum temperature	89·7
	Miles.
The highest velocity of the wind in one hour	13
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	85
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	86
	Inches.
The total fall of rain from 2nd to 8th September 1888	1·34
The average fall of the corresponding period for 24 years, S. G.'s Office ...	2·97
The total fall from 1st January to 8th September 1888	57·76
The average fall of the corresponding period for 24 years, S. G.'s Office ...	51·51

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, ⌓ dew.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 10th September 1888.

Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of August 1888.

		Date.
	°	
The mean temperature during the month	81·4	
The highest temperature during the month	94·0	2nd & 3rd.
The lowest temperature during the month	74·8	25th.
The range of temperature during the month	19·2	
The mean daily range of temperature during the month ...	9·8	
The greatest range of temperature in one day during the month ...	15·4	2nd.
	%	
The mean humidity during the month	91	
	Inches.	
The mean vapour tension during the month	9·80	
The total rainfall of the month	26·57	
The greatest fall in 24 hours	9·96	24th.
	Days.	
The number of rainy days in the month	24	

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 10th September 1888.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 2nd to 8th September 1888.

MONTH.	Date.	TEMPERATURE. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	HYGROMETRY. Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
September	2nd ..	82·3	90·5	13·7	76·8	79·4	·966	78·2	87	......
,, ...	3rd ...	83·8	90·0	11·6	78·4	80·2	·984	78·7	85	......
,, ...	4th ..	84·6	93·0	14·7	78·3	79·7	·949	77·7	79	0·03
,, ...	5th ..	85·5	91·0	10·9	80·1	81·1	1·003	79·3	81	......
,, ...	6th ...	79·9	84·1	6·3	77·8	78·4	·953	77·6	93	0·96
,, ...	7th ...	81·7	88·0	10·3	77·7	79·5	·980	78·6	90	0·23
,, ...	8th ...	83·2	90·0	11·7	78·3	80·0	·982	78·7	86	0·18

	°
The mean temperature of the seven days	83·0
The extreme variation of temperature	16·2
The maximum temperature	93·0
	%
The mean relative humidity	86
	Inches.
The total fall of rain from 2nd to 8th September 1888	1·40

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE INDIA;
The 10th September 1888.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.*

The mortuary returns of the districts in Bengal (excluding Manika and Hossainabad thanas in Lohardugga, from which no return has yet been received) for the month of May 1888 furnish the following results :—

1. That 116,548 persons died among a population of 66,014,376, representing a casualty rate of 21·12 per 1,000 per annum against 23·88 per 1,000 in the preceding month, and 25·44 per 1,000 during the corresponding month of the past year, indicating, as compared with both the periods (especially with the latter), a large decrease in mortality.

2. That the undermentioned districts returned the highest proportions of deaths :—

Districts.	Ratio per mille.	Districts.	Ratio per mille.
Darjiling	56·76	Monghyr	27·36
Julpaiguri	33·36	Rajshahye	27·00
Chittagong	30·12	Noakhali	26·40
Manbhum	29·16	Durbhanga	26·16
Hazaribagh	28·20	Maldah	25·68
Backerganj	27·36	Rungpore	25·20

3. That the following diseases proved fatal at the rates noted below :—

	Ratio per mille during— May 1888.	May 1887.
Cholera	2·52	5·88
Small-pox	·12	·12
Fever	14·16	15·36
Bowel-complaints	·72	·84
Injury	·36	·36
Other causes	3·00	2·64

indicating chiefly, in comparison with the results of the corresponding month of the preceding year, a considerable decrease of mortality from cholera and fever, particularly from the former.

4. That cholera and fever exhibited greatest activity in the following districts :—

Cholera.	Ratio per mille.	Fevers.	Ratio per mille.
Manbhum	10·32	Darjiling	31·92
Durbhanga	9·84	Julpaiguri	21·40
Darjiling	8·88	Rajshahye	21·48
Chittagong	7·92	Maldah	21·36
Backerganj	5·88	Rungpore	21·12
Chumparun	5·52	Hazaribagh	20·88
Mymensing	5·28	Pubna	20·64
Khulna	4·68	Noakhali	20·40
Rajshahye	4·08		
Monghyr	3·36		
Maldah	3·36		
24-Pergunnahs	3·12		
Murshidabad	3·00		
Jessore	2·88		
Balasore	2·76		
Faridpore	2·28		
Howrah	2·16		
Rungpore	2·16		
Hughli	2·04		
Hazaribagh	2·04		

The rest of the diseases did not display conspicuous fatality anywhere except in Chumparun, where 2·52 per 1,000 of the population died from small-pox, and in Puri, where 11·64 per 1,000 of the population were carried off by the diseases classed under the head of "Other causes."

5. That the death-rates in relation to *Sex*, *Class*, and *Age* stood as follows :—

According to Sex.

	Ratio per mille.
Males	23·40
Females ...	18·84
Ratio of male deaths to every 100 female deaths ...	122

According to Class.

	Ratio per mille.
Christians	15·72
Hindus	20·64
Mahomedans ...	22·08
Budhists	20·16
Other classes ...	21·12

According to Age.

	Ratio per mille.
Under 1 year ...	145·44
1 and under 5 years...	26·52
5 " " 10 " ...	11·52
10 " " 15 " ...	10·32
15 " " 20 " ...	14·40
20 " " 30 " ...	14·16
30 " " 40 " ...	15·96
40 " " 50 " ...	19·92
50 " " 60 " ...	26·52
60 years and upwards ...	42·60

* The publication of these statistics has been delayed for want of figures from the Manika and Hossainabad thanas in Lohardugga.

W. H. Gregg, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

The 10th September 1888.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of May 1888.

1	2	3			4							5							6		7		8		9
		POPULATION.			MORTALITY ACCORDING TO—																				
					Disease.																Sex.				
					DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.							COMPARISON WITH PREVIOUS PERIODS.		DEATHS AMONG—		RATIO PER 1,000 OF POPULATION PER ANNUM.		
DIVISIONS	DISTRICTS	Males.	Females.	Total.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
BURDWAN ...	Burdwan	668,295	723,526	1,391,821	195	...	1,513	36	21	496	2,154	1·36	..	12·81	·24	·24	3·48	18·61	21·84	17·28	1,120	1,033	20·04	17·16	107
	Bankura	507,136	534,616	1,041,752	148	15	1,101	50	25	451	1,789	1·68	·12	12·61	·48	·24	5·16	20·52	24·48	16·04	925	864	21·31	19·32	107
	Beerbhum	381,563	412,865	794,428	24	..	1,144	8	27	451	1,650	·36	...	17·16	·12	·37	6·72	24·84	32·52	21·96	816	834	25·56	24·24	97
	Midnapore	1,044,195	1,272,570	2,316,765	104	2	3,121	234	96	651	4,208	·45	·008	14·88	1·08	·36	3·00	22·04	25·30	18·84	2,207	2,001	21·21	18·84	110
	Hughli	345,665	317,385	663,050	114	...	751	98	27	147	1,142	2·14	..	13·64	1·68	·48	2·64	20·61	25·53	15·84	649	493	24·60	16·92	131
	Serampore	174,366	177,589	351,955	51	.	253	59	13	137	521	1·92	.	8·52	1·72	·44	4·56	17·40	26·04	15·04	314	205	21·61	23·80	154
	Total (Hughli including Serampore)	490,031	524,974	1,015,005	17		1,409	157	40	283	1,662	2·04		11·88	1·90	·36	3·34	19·54	24·83	15·48	963	699	23·52	15·96	137
PRESIDENCY ...	Howrah	316,479	318,902	635,381	118	1	501	154	37	206	1,016	2·16	·01	9·35	2·88	·60	3·84	19·08	25·68	13·64	586	430	23·30	16·08	136
	24-Pergunnahs	975,130	894,429	1,869,559	502	5	1,874	163	90	377	3,011	3·12	·03	12·01	·95	·48	2·30	19·32	30·48	18·72	1,719	1,292	21·12	17·35	133
	Nuddea	805,779	849,942	1,655,721	244	10	2,445	24	105	365	3,193	1·68	·07	17·64	·12	·72	2·64	23·04	28·06	23·61	1,737	1,456	25·80	20·52	119
	Jessore	959,271	980,104	1,939,375	467	...	2,465	12	78	193	3,215	2·88	..	15·24	·07	·48	1·08	19·80	32·96	19·44	1,783	1,432	23·32	17·43	125
	Murshidabad	590,483	640,307	1,226,790	313	...	1,884	25	54	203	2,479	3·00	.	18·35	·24	·48	1·92	24·24	28·81	23·04	1,360	1,119	27·72	20·39	121
	Khulna	568,402	511,546	1,079,948	430	1	1,210	25	55	219	1,943	4·68	·01	13·44	·24	·61	2·40	21·48	33·52	15·84	1,094	849	22·42	19·92	127
RAJSHAHYE ...	Dinajpur	782,292	732,054	1,514,346	57	2	2,382	13	34	107	2,595	·36	·01	18·72	·09	·24	·84	20·52	31·92	29·28	1,435	1,160	21·96	18·96	123
	Rajshahye	660,226	678,412	1,338,638	465	...	2,406	7	49	88	3,015	4·08	..	21·48	·06	·36	·72	27·00	35·04	31·42	1,607	1,408	29·16	24·84	114
	Rungpore	1,067,701	1,030,263	2,097,964	386	14	3,710	60	44	200	4,414	2·16	·07	21·22	·24	·24	1·08	25·24	32·88	30·21	[illegible]	[illegible]	19·37	30·44	91
	Bogra	372,677	361,681	734,358	114	......	1,197	3	2	111	1,451	1·86	...	29·56	·04	·36	1·80	23·61	29·40	[illegible]	775	676	24·84	22·32	114
	Pubna	648,321	663,417	1,311,738	153	...	2,239	14	41	94	2,581	1·32	..	20·64	·12	·36	·84	23·40	31·20	32·64	1,477	1,034	26·88	19·54	136
	Darjiling	89,398	66,739	156,137	117	1	416	115	5	85	739	8·88	·07	31·92	8·76	·37	6·48	56·76	41·85	32·38	345	343	53·04	61·38	115
	Jalpaiguri	305,555	276,007	581,562	93	......	1,429	3	13	81	1,619	1·80	..	32·40	·06	·24	1·56	36·36	41·23	43·38	975	644	36·72	29·04	156
DACCA ...	Dacca	1,053,863	1,062,487	2,116,350	151	5	1,762	140	90	532	2,682	·84	·02	9·96	·72	·48	3·00	15·12	18·30	19·72	1,446	1,236	16·68	13·68	116
	Faridpore	805,988	825,743	1,641,731	311	5	1,347	47	58	166	1,934	2·28	·03	9·84	·24	·36	1·20	14·16	24·72	[illegible]	1,116	818	16·44	11·88	135
	Backerganj	973,479	927,410	1,900,889	937	2	2,127	74	153	1,049	4,338	5·88	·01	13·44	·36	·97	6·48	27·36	35·00	24·40	2,339	1,999	29·02	25·84	117
	Mymensing	1,555,397	1,496,569	3,051,966	1,36[illegible]	8	3,442	170	73	588	5,647	5·28	·03	13·44	·64	·24	2·28	22·08	19·42	16·56	3,158	2,489	24·33	19·92	127
CHITTAGONG ...	Chittagong	531,649	600,692	1,132,341	761	......	1,611	144	75	263	2,854	7·92	...	17·04	1·44	·72	2·76	30·12	25·05	15·84	1,494	1,355	35·60	27·06	110
	Noakhali	415,248	405,524	820,772	56	...	1,399	81	77	200	1,813	·72	...	20·4	1·08	1·08	2·88	26·40	25·64	22·92	914	899	26·40	19·52	101
	Tipperah	770,894	748,445	1,519,339	120	...	1,19[illegible]	85	96	940	2,355	·84	...	8·61	·60	·72	7·32	18·36	21·12	18·24	1,2[illegible]	1,0[illegible]	20·04	16·68	123
PATNA ...	Patna	858,783	898,073	1,756,856	205	29	1,566	159	75	525	2,544	1·32	·12	10·65	·96	·48	3·48	17·25	14·25	27·84	1,422	1,122	19·80	14·89	136
	Gya	1,043,441	1,081,241	2,124,682	31	44	2,[illegible]8	52	77	423	3,204	·12	·24	14·52	·24	·36	2·28	18·12	17·52	55·92	1,705	1,501	19·56	16·54	113
	Shahabad	950,250	1,014,659	1,964,909	2	6	1,536	31	70	285	2,256	·12	·03	11·1[illegible]	·12	·36	1·68	13·65	12·84	27·2[illegible]	1,271	985	15·60	11·64	128
	Mozufferpore	1,265,731	1,316,329	2,582,060	319	87	1,901	102	77	297	2,813	1·44	·36	8·76	·72	·24	1·32	13·2[illegible]	10·08	21·4[illegible]	1,706	1,137	16·08	10·32	150
	Durbhanga	1,295,788	1,337,659	2,633,447	2,[illegible]6[illegible]	1	3,164	190	71	152	5,744	9·54	·03	14·40	·07	·24	·69	25·16	16·32	13·[illegible]	3,163	2,581	29·28	23·01	121
	Sarun	1,083,565	1,196,817	2,280,382	19[illegible]	118	1,350	224	67	1,121	3,073	·96	·60	7·08	1·08	·36	5·88	16·05	14·52	20·16	1,753	1,290	15·83	13·34	133
	Chumparun	870,627	850,981	1,721,608	80[illegible]	367	1,682	59	47	490	3,[illegible]	5·52	2·52	11·64	·36	·24	3·36	23·00	17·64	61·[illegible]	1,933	1,512	26·53	22·05	127
BHAGULPORE ...	Monghyr	969,124	1,000,650	1,969,774	56[illegible]	3	3,2[illegible]	38	85	558	4,503	3·37	·01	19·08	·12	·48	3·24	27·36	26·16	49·02	2,4[illegible]	2,055	31·44	24·30	121
	Bhagulpore	979,119	987,039	1,966,158	119	6	3,049	84	61	618	3,970	·72	·02	18·54	·48	·24	3·72	24·24	24·24	31·80	2,162	1,808	27·33	21·96	119
	Purneah	937,080	911,607	1,848,687	31	2	2,335	7	27	46	2,4[illegible]	·12	·01	18·36	·03	·12	·24	18·36	21·24	18·3[illegible]	1,711	1,337	21·84	17·21	137
	Maldah	346,998	363,450	710,448	206	......	1,270	1	19	31	1,527	3·36	......	21·40	·12	·24	·48	25·68	23·04	23·8[illegible]	924	603	31·92	19·84	153
	Sonthal Pergunnahs	785,330	782,763	1,568,093	61	4	1,625	31	23	191	1,935	·36	·02	12·36	·12	·12	1·44	14·76	16·92	17·4[illegible]	1,090	845	16·56	12·84	129
ORISSA ...	Cuttack	877,702	917,363	1,795,065	1[illegible]	41	1,160	349	104	834	2,[illegible]6	1·08	·24	7·65	2·28	·60	5·52	17·64	19·44	15·3[illegible]	1,35[illegible]	1,300	18·45	16·92	104
	Puri	446,609	441,878	888,487	12[illegible]	32	1,[illegible]7	157	25	8[illegible]9	1,3[illegible]0	1·50	·35	1[illegible]2	2·04	·24	11·64	18·12	20·10	23·5[illegible]	[illegible]	63[illegible]	18·36	18·00	102
	Balasore	461,461	483,819	945,280	215	22	4[illegible]	319	44	44[illegible]	1,[illegible]	2·76	·24	5·76	3·93	·48	5·52	19·08	21·9[illegible]	25·08	753	757	19·56	18·72	99
CHOTA NAGPORE ...	Hazaribagh	544,903	559,839	1,104,742	192	3	1,924	143	64	275	2,601	2·04	·02	20·88	1·44	·60	2·88	28·2[illegible]	30·60	23·42	1,379	1,222	30·36	26·16	113
	Lohardugga	723,058	736,678	1,459,736	12[illegible]	6	1,7[illegible]	276	53	6[illegible]	2,80[illegible]	·96	·04	14·04	2·16	·36	5·16	23·04	22·32	23·61	1,535	1,271	25·44	19·44	120
	Singbhum	280,978	280,986	561,964	4	......	515	80	30	115	744	·05	......	10·92	1·68	·61	2·40	15·84	17·04	17·04	448	296	19·05	12·6[illegible]	151
	Manbhum	525,328	532,900	1,058,228	91	1	1,163	131	34	338	2,578	10·32	·01	13·08	1·44	·36	3·72	29·16	23·58	21·00	1,465	1,112	33·45	24·96	131
	TOTAL FOR THE PROVINCE	32,758,617	33,255,759	66,014,376	14,262	841	75,081	4,313	2,523	16,536	116,548	2·52	·13	14·16	·72	·36	3·00	21·12	23·88	25·44	64,142	52,406	23·40	18·84	122

		10					11					12										13									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
DIVISIONS	DISTRICTS.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
BURDWAN	Burdwan	3	1,839	317	...	...	39·45	19·56	14·40	...	...	389	138	100	97	131	342	285	218	179	270	148·20	13·40	7·20	8·64	17·64	14·14	15·34	17·04	23·08	40·68
	Bankura	...	1,675	54	...	[illegible]	...	21·48	13·92	...	14·16	392	184	116	73	134	225	190	158	135	194	171·17	18·12	9·00	8·28	15·72	15·46	15·46	26·32	35·92	41·76
	Birbhum	...	1,29[illegible]	320	...	34	...	25·09	24·52	...	28·21	4[illegible]	141	93	39	8	185	193	142	122	141	341·51	27·12	11·04	8·76	14·84	14·28	18·94	19·03	25·21	34·60
	Midnapore	5	3,720	226	...	237	51·00	1[illegible]	16·44	...	25·16	791	555	254	18[illegible]	193	424	486	40[illegible]	331	549	151·84	23·41	8·76	9·12	10·44	10·65	15·84	21·32	27·60	52·44
	Hughli	...	907	245	...	...	...	20·40	21·7	...	...	1,1[illegible]	103	61	40	75	157	154	176	114	127	113·16	20·38	10·80	7·63	15·00	14·52	15·00	27·84	27·22	41·16
	Serampore	...	439	81	...	...	...	17·52	17·40	...	...	91	56	33	24	23	86	58	48	32	63	107·76	21·30	11·64	9·36	10·56	13·31	11·63	14·44	15·12	33·96
	Total (Hughli, including Serampore)	...	1,346	326	...	...	...	19·56	20·[illegible]	...	...	25[illegible]	159	94	64	10[illegible]	24[illegible]	[illegible]42	221	141	19[illegible]	111·12	21·38	10·04	8·28	13·56	14·52	13·92	23·04	33·06	41·16
PRESIDENCY	Howrah	2	837	177	...	...	11·64	2[illegible]·04	13·96	...	...	17[illegible]	154	65	36	55	111	113	71	70	155	114·67	26·52	9·48	6·96	12·12	11·28	14·00	18·92	25·20	47·68
	24-Pergunnahs	24	1,896	1,061	...	...	20·52	19·64	18·60	...	...	41[illegible]	457	261	131	171	412	311	244	214	371	103·84	35·20	12·81	10·5[illegible]	13·53	13·65	11·30	15·72	24·72	39·12
	Nuddea	5	1,248	1,84[illegible]	...	...	9·24	22·20	23·89	...	...	583	551	284	196	151	249	281	267	217	344	184·30	31·64	12·48	13·53	15·61	13·30	14·89	19·30	23·44	45·12
	Jessore	1	1,18[illegible]	2,02[illegible]	...	...	24·38	18·[illegible]	21·64	...	...	287	471	334	223	233	437	390	293	183	327	66·84	24·60	14·40	13·53	18·34	16·08	17·64	18·60	17·83	33·12
	Murshidabad	...	1,140	1,359	...	...	...	21·4[illegible]	27·12	...	...	552	405	201	115	124	261	258	231	133	235	151·51	34·44	13·32	11·25	15·61	15·24	19·30	25·2[illegible]	29·44	41·16
	Khulna	3	880	1,060	...	...	43·12	2[illegible]·16	22·40	...	...	261	291	187	110	111	234	200	157	113	2[illegible]	105·36	27·24	14·76	12·00	16·34	14·64	16·04	14·60	21·84	49·08
RAJSHAHYE	Dinajpur	...	1,2[illegible]	1,342	...	3	...	20·88	21·16	...	24·72	33[illegible]	315	204	155	113	414	414	244	190	190	113·04	21·00	10·08	12·36	14·88	19·21	22·56	20·1[illegible]	27·09	32·04
	Rajshahye	...	594	2,421	...	...	...	2[illegible]	27·60	...	...	2[illegible]	45[illegible]	351	211	174	417	392	351	191	231	93·84	33·21	19·84	13·84	20·16	21·72	31·38	19·00	32·04	42·84
	Rungpore	...	1,76[illegible]	2,649	...	...	...	25·92	24·84	...	...	533	48[illegible]	317	1[illegible]3	257	642	679	550	311	420	123·7[illegible]	23·64	12·00	10·92	10·32	22·92	25·38	37·84	30·09	43·98
	Bogra	...	272	1,179	...	...	...	2[illegible]·16	23·7[illegible]	...	...	155	225	121	73	81	222	145	163	95	123	144·71	27·91	11·93	13·84	16·80	21·34	16·56	37·3[illegible]	31·2[illegible]	41·38
	Pubna	...	62[illegible]	1,9[illegible]6	...	...	...	20·61	21·3	...	...	2[illegible]4	453	35[illegible]	222	165	2[illegible]	245	169	150	232	97·41	30·21	21·81	21·12	20·88	13·31	14·32	16·58	21·63	30·69
	Darjiling	...	602	6[illegible]	15	1	...	62·64	44·72	11·40	18·72	105	158	4[illegible]	39	51	135	97	64	34	34	403·32	94·53	25·32	29·83	45·48	48·32	45·48	59·76	52·40	62·04
	Jalpaiguri	...	1,02[illegible]	563	...	3[illegible]	...	33·[illegible]	32·[illegible]	...	57·7[illegible]	459	160	93	66	75	204	201	130	106	112	341·29	27·72	12·90	12·96	21·60	25·32	28·05	25·44	37·56	41·64
DACCA	Dacca	9	1,140	1,53[illegible]	...	...	12·24	15·86	14·8[illegible]	...	...	510	41[illegible]	217	122	152	240	248	165	185	405	105·12	17·76	7·84	6·66	11·16	8·84	10·80	10·50	19·88	36·84
	Faridpore	...	741	1,[illegible]	...	...	...	13·[illegible]	14·5[illegible]	...	...	231	31[illegible]	193	10[illegible]	1[illegible]	213	184	168	149	257	68·41	17·52	9·60	7·04	10·30	9·48	10·08	12·84	19·12	31·44
	Backergunj	5	1,160	3,172	1	...	16·08	22·2[illegible]	39·[illegible]	2·4[illegible]	...	73	8[illegible]5	4[illegible]	215	193	416	376	273	23[illegible]	503	139·76	41·76	21·00	13·24	14·04	14·52	17·40	19·08	33·16	60·96
	Mymensing	...	1,[illegible]83	3,76[illegible]	...	103	...	21·6[illegible]	22·[illegible]	...	47·5[illegible]	577	832	574	32[illegible]	348	7[illegible]1	647	517	402	617	95·01	24·36	13·80	12·72	12·20	17·40	19·61	23·04	33·96	45·48
CHITTAGONG	Chittagong	4	634	2,031	115	...	4[illegible]·48	30·24	30·[illegible]	25·44	...	174	4[illegible]	32[illegible]	16[illegible]	159	374	387	357	182	307	64·54	37·33	23·70	14·04	23·41	26·76	34·83	35·40	32·40	29·78
	Noakhali	4	[illegible]64	1,445	...	...	51·00	20·61	2[illegible]·44	...	...	3[illegible]	453	153	83	55	12[illegible]	105	111	89	225	198·96	4[illegible]·36	16·40	10·68	9·96	11·83	11·83	13·96	25·63	62·88
	Tipperah	...	794	1,541	...	...	...	18·6[illegible]	18·24	...	...	43	341	155	1[illegible]3	119	25[illegible]	211	160	146	3[illegible]	147·12	21·34	7·80	9·0[illegible]	11·16	12·24	11·39	14·40	21·12	54·24
PATNA	Patna	...	2,24[illegible]	298	...	...	...	17·40	16·6[illegible]	...	...	649	473	140	72	93	225	171	201	207	301	187·62	27·00	7·20	5·14	9·36	9·24	8·16	13·72	17·40	28·20
	Gya	...	2,5[illegible]	37[illegible]	...	...	...	17·85	13·20	...	...	73[illegible]	5[illegible]3	16[illegible]	1[illegible]4	62	244	255	293	251	427	221·72	25·21	6·61	5·64	6·96	8·24	8·83	13·84	23·64	40·41
	Shahabad	...	2,10[illegible]	[illegible]54	...	...	...	13·5[illegible]	12·48	...	...	56[illegible]	83[illegible]	9[illegible]	70	61	198	244	155	183	3[illegible]6	151·32	16·32	3·95	4·05	5·64	7·08	9·72	11·18	18·44	30·84
	Mozufferpore	...	2,546	323	...	...	...	13·32	12·0[illegible]	...	...	195	375	254	111	103	311	300	406	317	421	52·92	13·92	7·56	5·16	7·30	9·00	10·92	17·88	21·88	22·74
	Durbhanga	...	5,277	4[illegible]2	...	...	...	27·21	13·2[illegible]	...	...	38[illegible]	5[illegible]1	737	410	232	617	671	671	518	70[illegible]	91·91	30·12	22·05	19·32	15·48	16·80	19·92	25·56	34·36	60·18
	Sarun	...	2,[illegible]2	311	...	...	...	15·[illegible]4	13·6[illegible]	...	...	57	6[illegible]4	191	33	121	280	281	250	245	413	129·40	26·76	6·84	4·64	9·84	9·24	9·60	12·48	20·25	36·93
	Chumparun	9	2,950	4[illegible]	...	...	6[illegible]·6[illegible]	2[illegible]	21·[illegible]4	...	...	4[illegible]	671	2[illegible]	155	144	358	401	343	255	339	108·54	39·72	14·28	10·80	15·00	14·76	26·44	23·01	32·89	48·70
BHAGULPORE	Monghyr	1	4,1[illegible]	379	...	9	10·[illegible]	27·72	21·21	...	15·0[illegible]	1,1[illegible]	9[illegible]	33[illegible]	165	103	343	315	347	371	407	389·72	40·88	13·08	9·14	9·12	11·20	12·98	20·40	36·60	43·08
	Bhagulpore	...	3,701	2[illegible]	...	...	...	25·0[illegible]	17·78	...	...	9[illegible]	727	25[illegible]	150	150	443	392	382	297	256	295·50	37·89	11·04	8·76	12·72	15·84	14·16	22·80	32·88	35·78
	Purneah	...	1,[illegible]07	1,141	...	...	...	20·[illegible]4	17·04	...	...	21[illegible]	311	2[illegible]5	219	224	394	498	350	182	305	78·36	17·41	8·76	13·64	19·20	15·24	30·04	20·92	31·72	39·36
	Maldah	...	8[illegible]7	676	...	4	...	20·76	21·06	...	27·45	143	[illegible]	157	80	87	177	174	121	72	154	87·34	47·16	17·28	14·52	16·20	18·12	20·76	21·6[illegible]	22·80	51·18
	Sonthal Pergunnahs	6	1,184	15[illegible]	...	559	2[illegible]·52	16·65	17·1[illegible]	...	11·52	397	2[illegible]	148	109	110	282	201	125	154	145	152·5[illegible]	13·69	6·12	7·04	11·53	13·56	11·42	11·88	24·21	25·68
ORISSA	Cuttack	...	2,5[illegible]	5[illegible]	...	...	...	17·[illegible]	11·61	...	...	616	3[illegible]4	106	92	158	244	219	192	194	476	196·8[illegible]	19·68	7·32	5·64	11·80	9·60	11·83	14·48	24·64	30·96
	Puri	...	1,[illegible]31	19	...	...	...	18·21	16·29	...	...	334	197	84	61	88	116	115	87	106	144	263·52	20·76	7·92	8·16	15·72	8·73	10·48	12·32	21·48	29·72
	Balasore	...	1,[illegible]78	[illegible]1	...	1	...	19·[illegible]	15·6[illegible]	...	2·4[illegible]	322	175	84	63	99	163	164	145	103	201	183·04	18·36	7·08	7·20	14·76	11·83	14·88	13·72	22·48	48·73
CHOTA NAGPORE	Hazaribagh	...	2,200	229	...	172	...	25·[illegible]	25·[illegible]	...	25·08	568	226	144	126	81	244	291	214	233	271	185·49	32·40	9·43	12·84	13·34	16·08	21·96	26·88	50·81	74·76
	Lohardugga	40	1,0[illegible]	150	...	1,360	13·[illegible]	17·04	25·33	...	30·2[illegible]	46	517	191	141	126	314	337	241	231	337	144·72	2[illegible]·65	9·48	10·68	11·40	15·72	19·80	24·24	40·38	46·24
	Singbhum	3	732	8	...	1	12·00	15·72	25·18	...	18·48	121	110	43	31	48	65	85	76	70	104	133·72	17·28	6·52	5·89	10·54	8·40	12·12	18·96	31·08	32·56
	Manbhum	10	2,274	167	...	127	217·3[illegible]	28·50	44·04	...	23·04	360	327	317	144	224	378	303	217	147	231	150·84	29·08	14·28	16·08	20·64	2[illegible]·8[illegible]	24·72	29·88	31·20	60·12
	TOTAL FOR THE PROVINCE	134	73,997	39,[illegible]89	134	2,994	18·72	20·64	22·08	20·16	21·12	18,79[illegible]	18,044	9,555	5,818	6,055	13,174	12,6[illegible]	10,612	8,629	13,302	145·44	23·52	11·52	10·32	14·40	14·16	15·96	19·92	26·82	42·60

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 10th September 1888.

W. H. GREGG, *Dip. Publ. Health Camb.*,
Offg. Sanitary Commissioner for Bengal.

MEMORANDUM.

During the week ending 25th August 1888, the principal Municipalities in Bengal returned the birth and death rates of 18·9 and 32·5 per 1,000 of population respectively, against 19 4 and 27 3 per 1,000 in the preceding week, indicating a large advance in the registration of deaths.

2. The following Municipalities returned the highest proportions of births and deaths :—

Births	Ratio per mille	*Deaths*	Ratio per mille.
Monghyr	46·1	Gya	148·9
Arrah	38·3	Arrah	58·6
Gya	34 8	Patna	34·4
Bhagulpore	30 8	Suburbs of Calcutta	37·7
		Monghyr	30 7

3. From the figures in the following table, it appears that the mortality from cholera and the unspecified diseases coming under the head of "other causes" had increased to a considerable extent, and that the casualties from the rest of the death causes exhibited only fractional variations, with the exception of bowel-complaints, the mortality from which remained stationary :—

	Ratio per mille during the weeks ending— 25th August 1888.	18th August 1888.
Cholera	8 4	5 2
Small-pox	·1	03
Fever	10 4	10 3
Bowel-complaints	3·1	3 1
Injury	3	4
Other causes	10 2	8 2

4. The highest death-rates from cholera and the diseases coming under the head of "other causes" were returned from the following Municipalities, the rest of the maladies not proving conspicuously fatal anywhere, excepting fever, which appears to have prevailed with noticeable fatality only in the Gya town, viz, at the rate of 34 8 per 1,000 of population :—

Cholera.	Ratio per mille.	*Other causes.*	Ratio per mille.
Gya	61·5	Gya	49·2
Arrah	39·5	Monghyr	15 4
Chupra	16 6	Midnapore	13 9
Patna	12 6	Serampore	11 8
Mozufferpore	4 9	Suburbs	11·2
Suburbs of Calcutta .. .	3 9	Bhagulpore	10 9
		Dacca	10 3

5. With reference to *Sex*, *Class* and *Age*, the mortality of the week stood as follows :—

According to Sex.

	Ratio per mille.
Males	33 3
Females	31 6
Ratio of male deaths to every 100 female deaths	119

According to Class.

	Ratio per mille.
Christians ...	26 1
Hindus ...	34 6
Mahomedans ...	28·1

According to Age.

	Ratio per mille.
Under 1 year ...	281·2
1 and under 5 years ...	45 0
5 " 10 " ...	20 6
10 " 15 " ...	18·1
15 " 20 " ...	26·1
20 " 30 " ...	20·9
30 " 40 " ...	23·3
40 " 50 " ...	30·1
50 " 60 " ...	30·6
60 years and upwards ...	64·6

The 10*th* September 1888.

W. H. Gregg, M.B., *Dip. Pulb. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

... showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 25th August 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	6	5	11	9·1	7·6	16·8	120	...	...	7	1	...	3	11	...	...	10·7	1·5	...	4·6	16·8	13·7	6	5	17·3	16·2	120
Midnapore ...	Midnapore ...	16,927	16,633	33,560	6	4	10	9·3	6·2	15·5	150	1	...	3	1	...	9	14	1·5	...	4·6	1·5	...	13·9	21·7	12·4	5	9	15·4	28·1	55
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	7	9	16	9·4	12·1	21·5	77	2	...	3	6	...	4	15	2·7	...	4·0	8·0	...	5·4	20·1	4·0	6	9	16·3	24·0	66
Serampore ...	Serampore ...	13,559	12,937	26,496	2	1	3	3·9	2·0	5·9	200	1	...	5	2	...	6	14	2·0	...	9·8	3·9	...	11·8	27·5	35·3	9	5	34·5	20·1	180
	Utterpara ...	3,046	2,464	5,510	1	1	2	9·4	9·4	18·9	100	1	...	...	...	1	...	2	9·4	...	...	...	9·4	...	18·9	9·4	1	1	17·0	21·1	100
Howrah ...	Howrah ...	53,153	37,660	90,813	14	10	24	8·0	5·7	13·8	140	1	...	5	5	1	12	24	·6	...	2·9	2·9	·6	6·8	13·8	15·5	16	8	15·7	11·0	200
	Bali ...	7,836	6,979	14,815	1	1	2	3·5	3·5	7·0	100	...	...	...	3	...	...	3	...	...	...	10·5	...	...	10·5	7·0	...	3	...	22·4	No male death.
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	44	33	77	9·1	6·8	15·9	133	19	1	60	29	...	54	163	3·9	·2	12·4	6·0	...	11·2	33·7	33·5	96	67	33·9	33·4	143
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	1	...	1	1·9	...	1·9	No female birth.	...	...	4	...	...	...	4	...	...	7·5	...	...	...	7·5	5·6	3	1	11·7	3·6	300
	Ranaghat ...	4,028	4,655	8,683	1	...	1	6·0	...	6·0	Ditto.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12·0	...	...	...	...	....
	Santipore ...	13,708	15,979	29,687	3	2	5	5·2	3·5	8·7	150	...	...	6	...	1	3	10	...	...	10·5	...	1·7	5·2	17·5	5·2	2	8	7·6	26·1	25
Jessore ...	Jessore ...	4,830	3,665	8,495	...	...	...	...	...	...	......	...	...	1	...	...	...	1	...	...	6·1	...	...	...	6·1	12·2	1	...	10·7	...	No female death.
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	1	5	6	2·6	13·1	15·8	20	1	...	7	2	...	1	11	2·6	...	18·4	5·2	...	2·6	28·9	34·1	6	5	29·0	28·8	120
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	2	...	2	13·0	...	13·0	No female birth.	...	...	2	...	...	1	3	...	...	13·0	...	...	6·5	19·6	13·0	2	1	20·6	17·6	200
Dacca ...	Dacca ...	42,782	37,379	80,161	18	10	28	11·7	6·5	18·2	180	1	...	3	3	...	16	23	·6	...	1·9	1·9	...	10·3	14·9	9·1	14	9	17·0	12·5	155
	Narsingauj ...	7,605	4,956	12,561	...	1	1	...	4·1	4·1	No male birth.	...	...	2	...	...	1	3	...	...	8·3	...	...	4·1	12·4	12·4	3	...	20·5	...	No female death.
Chittagong ...	Chittagong ...	13,340	8,790	22,130	4	6	10	9·4	14·1	23·5	66	...	...	4	2	...	3	9	...	...	9·4	4·7	...	7·0	21·1	11·7	6	3	23·4	17·7	200
Tipperah ...	Comillah ...	8,153	5,353	13,506	1	3	4	3·8	11·6	15·4	33	...	...	4	...	...	3	7	...	...	15·4	...	...	11·6	27·0	34·7	2	5	11·8	48·6	40
Patna ...	Patna City ...	78,762	81,475	160,237	23	26	49	7·5	8·4	15·9	88	39	1	36	8	2	20	106	12·6	·3	11·7	2·6	·6	6·5	34·4	26·6	52	54	34·3	34·5	96
Gya ...	Gya ...	38,290	37,831	76,121	25	26	51	17·1	17·7	34·8	96	90	...	51	2	...	72	215	61·5	...	34·8	1·4	...	49·2	146·9	82·0	106	109	144·9	145·8	97
Shahabad ...	Arrah ...	20,960	22,505	43,465	26	6	32	31·1	7·2	38·3	433	33	...	11	3	...	2	49	39·5	...	13·1	3·6	...	2·4	58·6	49·0	35	14	86·8	32·3	250
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	10	5	15	12·2	6·0	18·2	200	4	...	3	...	1	8	16	4·9	...	3·6	...	1·2	9·7	19·4	32·8	8	8	18·0	21·2	100
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	12	9	21	9·4	7·1	16·5	133	1	...	10	3	1	6	21	·8	...	7·9	2·3	·8	4·7	16·5	16·5	8	13	12·3	20·9	61
Saran ...	Chupra ...	26,044	27,205	53,249	11	8	19	10·7	7·8	18·5	137	17	...	2	2	...	4	25	16·6	...	1·9	1·9	...	3·9	24·4	35·2	16	9	31·9	17·2	177
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	18	16	34	16·3	14·5	30·8	112	1	...	17	...	...	12	30	·9	...	15·4	...	...	10·9	27·2	21·7	15	15	26·3	28·0	100
Monghyr ...	Monghyr ...	28,154	29,366	57,520	23	28	51	20·8	25·3	46·1	82	...	...	11	6	...	17	34	...	...	9·9	5·4	...	15·4	30·7	30·7	23	11	42·5	19·5	209
Purneah ...	Purneah ...	8,463	6,553	15,016	2	1	3	6·9	3·4	10·4	200	...	...	4	...	...	1	5	...	...	13·9	...	...	3·4	17·3	17·3	5	...	30·7	...	No female death.
Puri ...	Puri ...	13,247	11,537	24,784	1	2	3	2·1	4·2	6·3	50	1	...	3	2	...	2	8	2·1	...	6·3	4·2	...	4·2	16·8	37·8	4	4	15·7	18·0	100
	TOTAL ...	702,810	619,691	1,322,501	263	218	481	10·3	8·6	18·9	120	213	2	264	80	7	260	826	8·4	·1	10·4	3·1	·3	10·2	32·5	27·3	450	376	33·3	31·6	119

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

MORTALITY ACCORDING TO— Class. (13, 14)

DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.
Burdwan ...	Burdwan ...	...	7	4	...	...	...	15·4	20·3	...	...
Midnapore ...	Midnapore ...	...	12	2	...	...	...	24·0	14·4	...	...
Hughli ...	Hughli and Chinsurah ...	...	13	3	...	...	...	19·7	22·9	...	...
Serampore ...	Serampore ...	...	14	...	...	...	...	28·8	...	...	...
	Utterpara ...	...	2	...	...	...	...	19·5	...	...	...
Howrah ...	Howrah ...	...	18	6	...	...	...	13·7	15·2	...	...
	Bali ...	...	3	...	...	...	...	11·6	...	...	...
24-Pergunnahs ...	Suburbs of Calcutta ...	3	102	58	...	...	38·5	35·4	31·2	...	...
Nuddea ...	Kishnaghur ...	...	2	2	...	...	...	5·5	12·5	...	...
	Ranaghat ...	...	...	...	...	...	...	...	...	...	...
	Santipore ...	...	10	...	...	...	...	25·1	...	...	...
Jessore ...	Jessore ...	...	...	1	...	...	...	...	13·6	...	...
Rajshahye ...	Rampore Beauleah	...	4	7	...	...	...	21·0	37·1	...	...
Darjiling ...	Darjiling ...	...	3	...	...	...	...	33·9	...	...	...
Dacca ...	Dacca ...	...	12	11	...	...	...	15·5	14·5	...	...
	Naraingunj ...	...	2	1	...	...	...	16·4	8·4	...	...
Chittagong ...	Chittagong ...	...	1	8	...	...	...	9·0	27·2	...	...
Tipperah ...	Comillah ...	...	3	4	...	...	...	26·2	28·1	...	...
Patna ...	Patna City ...	2	87	17	...	...	293·0	38·0	21·6	...	...
Gya ...	Gya ...	...	184	31	...	...	...	159·4	100·3	...	...
Shahabad ...	Arrah ...	...	28	21	...	...	...	46·9	88·0	...	...
Mozufferpore ...	Mozufferpore ...	1	6	9	...	...	223·2	10·4	37·5	...	...
Durbhanga ...	Durbhanga ...	...	16	5	...	...	...	17·2	14·8	...	...
Sarun ...	Chupra ...	...	24	1	...	...	...	30·3	4·3	...	...
Bhagulpore ...	Bhagulpore ...	...	18	12	...	...	...	23·5	36·2	...	...
Monghyr ...	Monghyr ...	...	30	4	...	...	...	34·9	16·5	...	...
Purneah ...	Purneah ...	...	1	4	...	...	...	4·8	36·7	...	...
Puri ...	Puri ...	...	7	1	...	...	...	14·8	247·6	...	...
	TOTAL ...	6	608	212	...	...	26·1	34·6	28·1	...	...

MORTALITY ACCORDING TO— Age. (15, 16)

DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	3	...	...	1	1	2	2	...	1	1	236·4	......	......	20·7	16·6	13·1	15·1	......	21·2	35·1
Midnapore ...	Midnapore ...	2	1	...	...	3	...	3	2	1	2	140·0	22·1	......	......	49·4	......	28·1	27·9	25·2	56·8
Hughli ...	Hughli and Chinsurah ...	4	1	1	1	...	1	4	...	2	1	220·6	19·5	14·9	17·2	......	6·8	29·6	......	31·8	20·7
Serampore ...	Serampore ...	5	3	1	...	...	2	1	...	...	2	336·2	86·4	20·7	......	......	19·3	10·5	......	......	74·8
	Utterpara ...	1	...	...	...	...	1	...	...	...	...	323·0	......	......	......	......	45·2	......	......	......	......
Howrah ...	Howrah ...	5	3	2	1	...	6	2	3	1	1	126·0	28·2	16·5	7·9	......	13·8	5·4	13·3	9·5	13·9
	Bali ...	...	...	...	...	1	...	1	...	1	...	......	......	......	......	39·0	......	18·6	......	49·6	......
24-Pergunnahs ...	Suburbs of Calcutta ...	28	7	6	3	8	23	36	15	13	24	305·6	22·5	15·8	8·7	23·1	20·6	36·4	23·0	39·8	87·6
Nuddea ...	Kishnaghur ...	...	...	1	...	...	2	...	...	1	...	......	......	15·1	......	......	21·6	......	......	24·7	......
	Ranaghat ...	...	...	...	...	...	...	...	...	...	...	......	......	......	......	......	......	......	......	......	......
	Santipore ...	2	...	...	...	1	...	1	...	1	5	123·1	......	......	......	23·4	......	12·0	......	22·6	132·4
Jessore ...	Jessore ...	...	...	...	...	...	1	...	...	...	...	......	......	......	......	......	25·8	......	......	......	......
Rajshahye ...	Rampore Beauleah	1	...	3	...	...	2	1	3	...	1	128·1	......	75·0	......	......	25·9	14·4	63·6	......	54·0
Darjiling ...	Darjiling ...	2	1	...	...	...	...	...	...	...	...	859·5	80·9	......	......	......	......	......	......	......	......
Dacca ...	Dacca ...	3	3	4	1	4	4	1	1	1	1	82·2	21·2	21·0	6·5	28·5	13·6	4·4	6·1	11·0	9·3
	Naraingunj ...	1	...	...	...	1	...	...	...	1	...	186·3	......	......	......	49·8	......	......	......	66·4	......
Chittagong ...	Chittagong ...	2	...	1	...	1	1	1	1	1	1	184·7	......	20·8	......	21·5	11·2	15·6	23·0	47·9	65·3
Tipperah ...	Comillah ...	2	...	...	1	...	1	1	...	1	1	350·2	......	......	35·6	......	18·8	26·1	......	64·9	76·8
Patna ...	Patna City ...	18	14	4	13	7	13	12	10	6	9	217·2	49·8	12·4	46·9	32·6	23·5	26·8	27·6	22·1	33·9
Gya ...	Gya ...	42	42	15	10	5	31	13	13	13	31	1,220·1	343·7	111·5	77·3	49·6	109·6	53·1	69·2	102·9	313·2
Shahabad ...	Arrah ...	7	7	3	4	3	5	6	3	4	7	252·6	82·1	30·4	47·1	49·5	33·1	48·5	33·3	67·2	126·2
Mozufferpore ...	Mozufferpore ...	1	...	4	1	2	2	2	...	1	3	54·4	......	46·3	13·1	34·5	18·1	14·9	......	16·0	64·1
Durbhanga ...	Durbhanga ...	6	2	4	...	2	2	2	1	...	2	200·4	13·7	26·6	......	25·9	7·8	9·3	10·4	......	32·6
Sarun ...	Chupra ...	5	1	1	...	5	2	3	4	2	2	150·1	9·8	8·9	......	72·8	10·9	19·3	33·1	24·7	29·9
Bhagulpore ...	Bhagulpore ...	9	4	1	1	3	4	1	2	4	1	391·9	38·4	8·9	8·2	37·3	19·0	5·6	16·2	48·6	14·4
Monghyr ...	Monghyr ...	15	6	1	1	3	3	2	...	...	3	525·3	50·1	7·4	9·1	41·3	15·1	11·7	......	......	42·5
Purneah ...	Purneah ...	...	...	...	1	...	1	1	2	...	...	......	......	......	48·5	......	15·8	18·2	56·9	......	......
Puri ...	Puri ...	...	...	...	1	...	...	2	2	1	2	......	......	......	37·7	......	......	25·7	31·3	23·3	57·6
	TOTAL ...	164	95	52	40	50	109	98	62	56	100	261·2	45·0	20·6	18·1	26·1	20·9	22·3	20·1	30·6	64·6

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 10th September 1888.

W. H. GREGG, *Dip. Publ. Health Camb,*
Offg. Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra for the month of August 1888.

Date.	River Ganges. Mirzapore. Height over zero of gauge.	Mirzapore. Height over mean sea-level.	Benares. Height over zero of gauge.	Benares. Height over mean sea-level.	Buxar. Height over zero of gauge.	Buxar. Height over mean sea-level.	Dinapore. Height over zero of gauge.	Dinapore. Height over mean sea-level.	Monghyr. Height over zero of gauge.	Monghyr. Height over mean sea-level.	Sahebgunge. Height over zero of gauge.	Sahebgunge. Height over mean sea-level.	Rampore Beauleah. Height over zero of gauge.	Rampore Beauleah. Height over mean sea-level.	Goalundo. Height over zero of gauge.	Goalundo. Height over mean sea-level.	River Bhagiruthee. Berhampore. Height over zero of gauge.	Berhampore. Height over mean sea-level.	River Jellinghee. Sarupgunge. Height over zero of gauge.	Sarupgunge. Height over mean sea-level.	River Brahmapootra. Gowhatty. Height over zero of gauge.	Gowhatty. Height over mean sea-level.
Distance. Miles	From Allahabad ... 86.		From Allahabad ... 134.	From Mirzapore ... 48.	From Benares ... 90.		From Benares 177.	From Buxar ... 87.	From Benares 287.	From Dinapore 110.	From Benares 381.	From Monghyr 94.	From Benares 471.	From Sahebgunge ... 90.	From Benares 591.	From Rampore Beauleah ... 150.						
1st ...	33·50	239·72	32·00	228·80	27·33	196·38	29·20	163·43	24·08	125·93	23·83	91·83	21·87	63·87	20·17	29·11	25·33	59·07	23·42	27·73	27·70	176·46
2nd ...	30·25	236·47	29·00	225·80	26·83	195·88	28·50	162·73	24·00	125·85	24·25	92·25	22·43	64·43	20·33	29·27	25·93	59·66	23·75	28·05	27·50	176·26
3rd ...	29·25	235·47	28·00	224·80	24·67	193·72	27·50	161·73	23·25	125·10	24·25	92·25	22·67	64·67	20·50	29·44	26·25	59·93	24·21	28·51	27·20	175·96
4th ...	29·58	235·80	28·00	224·80	23·83	192·88	27·50	161·73	22·00	123·85	23·50	91·50	22·67	64·67	20·50	29·44	26·40	60·20	24·16	28·76	26·80	175·56
5th ...	29·58	235·80	28·00	224·80	23·50	192·55	27·30	161·53	21·83	123·68	22·92	90·92	22·43	64·43	20·50	29·44	26·46	60·30	24·67	28·97	26·30	174·96
6th ...	32·58	238·80	30·25	227·05	24·00	193·05	26·70	160·93	21·42	123·27	22·50	90·50	22·17	64·17	20·33	29·27	26·46	60·30	24·67	28·97	25·80	174·36
7th ...	35·00	241·22	33·00	229·80	26·00	195·05	27·35	161·58	21·00	122·85	22·17	91·17	21·83	63·83	20·25	29·19	26·33	60·07	24·71	29·01	25·30	173·86
8th ...	34·50	240·72	33·00	229·80	26·75	195·80	28·00	162·23	21·42	123·27	22·00	90·00	21·44	63·46	20·17	29·11	26·08	59·82	24·50	28·80	24·80	173·16
9th ...	33·00	239·22	31·00	227·80	26·17	195·22	28·20	162·43	22·00	123·85	22·25	90·25	21·42	63·42	20·08	29·02	25·83	59·57	24·38	28·38	23·80	172·56
10th ...	33·25	239·47	31·25	228·05	25·75	194·80	28·00	162·23	22·17	124·02	22·50	90·50	21·43	63·43	19·91	28·85	25·67	59·41	24·21	28·51	23·40	172·16
11th ...	34·00	240·22	32·50	229·30	26·00	195·05	28·60	162·83	22·00	123·85	22·50	90·50	21·50	63·50	19·91	28·85	25·62	59·36	24·08	28·34	23·10	171·86
12th ...	34·83	241·05	33·00	229·80	26·58	195·63	29·20	163·43	22·50	124·35	22·50	90·50	21·58	63·58	19·92	28·86	25·67	59·41	24·08	28·38	23·00	171·76
13th ...	36·00	242·22	34·00	230·80	27·08	196·13	30·40	164·63	23·33	125·18	22·83	90·83	21·79	63·79	19·83	28·77	25·75	59·41	24·91	28·21	23·10	171·86
14th ...	37·25	243·47	35·50	232·30	27·58	196·63	30·95	165·18	24·67	126·52	23·42	91·42	22·17	64·17	19·83	28·77	25·96	59·70	24·00	28·30	23·40	172·16
15th ...	39·50	245·72	36·50	233·30	28·00	197·05	31·10	165·33	24·83	126·68	24·17	92·17	22·58	64·58	19·83	28·77	26·54	60·28	24·50	28·84	23·80	172·56
16th ...	43·25	249·47	39·75	236·55	28·58	197·63	30·80	165·03	25·00	126·85	24·42	92·42	22·96	64·96	19·83	28·77	27·04	60·78	24·67	28·97	24·10	172·86
17th ...	43·75	249·97	41·00	237·80	29·42	198·47	31·15	165·38	25·00	126·85	24·58	92·58	23·23	65·25	20·00	28·94	27·46	61·20	25·33	29·63	24·50	173·36
18th ...	44·00	250·22	42·00	238·80	29·75	198·80	33·20	167·43	25·33	127·18	24·67	92·67	23·46	65·46	20·03	29·03	28·00	61·74	26·00	30·30	24·60	173·56
19th ...	43·75	249·97	42·00	238·80	30·08	199·13	34·30	168·53	26·25	128·10	25·00	93·00	23·58	65·58	20·08	29·02	28·29	62·03	26·50	30·80	25·00	173·76
20th ...	42·25	248·47	40·50	237·30	30·17	199·22	33·70	167·93	26·92	128·77	25·42	93·42	23·79	65·79	20·03	29·02	28·46	62·20	27·25	31·55	24·80	173·56
21st ...	41·50	247·72	39·00	235·80	29·04	198·09	32·30	166·53	26·92	128·77	25·75	93·75	24·12	66·12	20·25	29·13	28·42	[illegible]	27·42	31·73	24·40	173·16
22nd ...	41·50	247·72	39·00	235·80	29·58	198·63	32·25	166·48	26·92	128·77	26·00	94·00	24·33	66·33	20·42	29·34	28·75	62·40	27·71	32·01	23·60	172·36
23rd ...	41·00	247·22	38·75	235·55	29·42	198·47	32·00	166·23	26·67	128·52	26·08	94·08	24·50	66·50	20·58	29·52	28·53	62·57	28·00	32·30	22·90	171·56
24th ...	40·50	246·72	38·50	235·30	29·25	198·30	31·60	165·83	26·58	128·43	26·00	94·00	24·54	66·54	20·67	29·61	28·92	62·66	28·17	32·47	21·80	170·36
25th ...	39·17	245·39	37·75	234·55	29·00	198·05	31·35	165·58	26·42	128·27	26·00	94·00	24·75	66·75	20·93	29·86	29·25	62·79	28·58	32·88	20·50	169·36
26th ...	37·25	243·47	36·50	233·30	28·42	197·47	31·10	165·33	26·75	128·60	26·50	94·50	24·37	66·87	20·93	29·86	29·50	63·24	29·00	33·30	19·50	168·36
27th ...	34·92	241·14	33·50	230·30	27·50	196·55	30·50	164·73	26·92	128·77	26·67	94·67	25·08	67·08	20·75	29·69	29·79	63·53	29·00	33·30	18·60	167·36
28th ...	32·92	239·14	30·75	227·55	26·58	195·63	29·85	164·08	26·17	128·02	26·67	94·67	25·42	67·42	20·67	29·61	30·00	63·74	29·67	33·97	18·30	167·06
29th ...	30·92	237·14	28·50	225·30	25·33	194·38	29·60	163·83	25·83	127·68	26·50	94·50	25·46	67·46	20·67	29·61	30·17	63·91	29·67	34·17	18·50	167·26
30th ...	30·42	236·64	26·50	223·30	24·53	193·58	28·50	162·73	25·33	127·18	26·25	94·25	25·46	67·46	20·50	29·44	30·04	63·78	29·92	34·22	18·90	167·66
31st ...	34·08	240·30	31·00	227·80	24·50	193·55	28·20	162·43	24·42	126·27	26·00	94·00	25·37	67·37	20·33	29·27	29·96	63·70	29·87	34·17	18·60	167·56

The 11th September 1888.

G. A. G. SHAWE,
Under-Secretary to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of July 1888.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDAH CANAL, 27 MILES. MACHGONG „ 4 „

Number of boats or rafts.	DESCRIPTION.	Total Government and Private.				Private.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
10	1. Grain ...	...	150	150	3,150	150	3,150	
...	2. Cotton ...	......	......	......	......	......	......	
1	3. Oilseeds ...	......	5	5	468	5	468	
...	4. Salt ...	......	......	......	......	......	......	
...	5. Piece-goods ...	......	......	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
30	7. Building materials	......	466	466	989	460	489	
6	8. Miscellaneous ...	15	32	47	5,455	47	5,455	
3	9. Fuel ...	......	26	26	175	26	175	
...	10. Timber ..	......	......	......	......	......	......	
3 rafts	11. Bamboos ..	......	3,000 No.	3,000 No.	30	3,000 No.	30	
50 & 3 rafts.	12. Total ...	15	679 & 3,000 No.	694 & 3,000 No.	10,267	688 & 3,000 No	9,767	
239 & 3 rafts.	13. Total of same month last year.	1	3,346 & 150 No.	3,347 & 150 No.	19,536	2,055 & 150 No.	17,966	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	3	47	50
15. Total number of boats plying passenger No.	11	1	12
15½. Total number of empty boats No.	41	19	60
16. Total registered tonnage, cargo Tons	376	1,123	1,499
17. Total registered tonnage, passenger Tons	504	413	917
18. Ton-mileage ...	6,400	15,541	21,941
19. Estimated value of cargo Rs.	970	9,267	10,237
20. Number of passengers No.	1,938	6	1,944
21. Rafts, bamboos „	......	3,000	3,000
22. Do., bullahs „	......	......	......
23. Estimated value of rafts Rs.	......	30	30
24. Tollage on boats „	93-14-6	215-9-0	309-7-6
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts „	......	1-14-0	1-14-0
27. Total tollage on boats per ton-mile Pie	......	......	2·70
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ..	311	5	6
Total tollage of same month last year ...	1,087	1	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ..	......		
2. Tollage per month ...	311	5	6
3. Total ...	311	5	6
4. Amount credited in the accounts of the month ...	270	10	6
5. Balance due at the end of the month ...	40	11	0

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
111	1. Grain ...	395	626	1,021	54,590	1,021	54,590	
...	2. Cotton ...	......	......	......	......	......	......	
6	3. Oilseeds ...	......	74	74	8,650	74	8,650	
9	4. Salt ...	20	24	44	4,880	44	4,880	
...	5. Piece-goods... ...	......	... ..	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
28	7. Building materials	11	289	300	5,440	280	5,200	
168	8. Miscellaneous ...	699	535	1,234	2,73,680	1,234	2,73,680	
10	9. Fuel ...	28	4	32	100	32	100	
...	10. Timber ...	......	......	......	......	......	......	
3 rafts	11. Bamboos ...	......	4,450 No.	4,450 No.	50	4,450 No.	50	
332 & 3 rafts.	12. Total ...	1,153	1,552 & 4,450 No.	2,705 & 4,450 No.	3,47,390	2,685 & 4,450 No.	3,47,150	
328 & 2 rafts.	13. Total of same month last year	1,630	1,065 & 1,504 No	2,695 & 1,504 No.	1,81,050	2,607 & 1,504 No.	1,80,170	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	173	159	332
15. Total number of boats plying passenger No.	50	51	101
15½. Total number of empty boats No.	173	261	434
16. Total registered tonnage, cargo Tons	2,178	2,517	4,695
17. Total registered tonnage, passenger Tons	1,266	1,365	2,631
17½. Total registered tonnage, empty boats. Tons	1,157	944	2,101
18. Ton-mileage ...	1,42,996	1,64,556	3,07,552
19. Estimated value of cargo Rs.	1,87,640	1,59,700	3,47,340
20. Number of passengers No.	2,251	3,572	5,823
21. Rafts, bamboos „	.. ...	4,450	4,450
22. Do., bullahs „	......	......	......
23. Estimated value of rafts Rs.	......	50	50
24. Tollage on boats „	2,298-14-0	2,272-4-0	4,571-2-0
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts „	......	3-9-5	3-9-5
27. Total tollage on boats per ton-mile	......	......	0-0-2·9
28. Total tollage on rafts per 100 cubic feet	......	......	0-1-3

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	4,574	11	5
Total tollage of same month last year ...	3,751	8	5

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	5,891	4	5
2. Tollage per month ...	4,574	11	5
3. Total ...	10,465	15	10
4. Amount credited in the accounts of the month ...	4,371	3	2
5. Balance due at the end of the month ...	6,094	12	8

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 34 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	PRIVATE. Quantity. Tons.	Value. Rupees.	REMARKS.
120	1. Grain ...	434	......	434	38,700	434	38,700	
2	2. Cotton ...	......	13	13	3,500	13	3,500	
1	3. Oilseeds ...	5	......	5	450	5	450	
28	4. Salt ...	......	102	102	8,550	102	8,550	
...	5. Piece-goods ...	......	......	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
26	7. Building materials	177	3	180	1,440	180	1,440	
55	8. Miscellaneous ...	34	179	213	38,790	213	38,790	
12	9. Fuel ...	76	......	76	220	76	220	
4 rafts	10. Timber ..	146 No.	......	146 No.	450	146 No.	450	
...	11. Bamboos ...	......	......	......	......	......	......	
244 & 4 rafts.	12. Total ...	726 & 146 No.	297	1,023 & 146 No.	92,100	1,023 & 146 No.	92,100	
212 & 6 rafts.	13. Total of same month last year.	708 & 260 No.	355	1,063 & 260 No.	1,09,990	1,063 & 260 No.	1,09,990	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	174	70	244
15. Total number of boats plying passenger No.	......	4	4
15½. Total number of empty boats No.	35	240	275
16. Total registered tonnage, cargo Tons	1,205	487	1,692
17. Total registered tonnage, passenger Tons	......	6	6
17½. Total registered tonnage, empty boats Tons	152	919	1,071
18. Ton-mileage ...	10,172	9,658	19,830
19. Estimated value of cargo Rs.	43,050	48,600	91,650
20. Number of passengers No.	......	10	10
21. Rafts, bamboos "	......	......	......
22. Do., bullahs "	146	......	146
23. Estimated value of rafts Rs.	450	......	450
24. Tollage on boats "	292-3-9	256-11-6	548-15-3
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	24-10-3	......	24-10-3
27. Total tollage on boats per ton-mile	......	......	0-0-5
28. Total tollage on rafts per 100 cubic feet	......	......	5-5-4

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	573	9	6
Total tollage of same month last year	622	7	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	15	14	6
2. Tollage per month ...	573	9	6
3. Total ...	589	8	0
4. Amount credited in the accounts of the month	387	11	9
5. Balance due at the end of the month ...	201	12	3

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of Boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
58	1. Grain ...	187	1	188	8,111	188	8,111	
...	2. Cotton ...	......	......	......	......	......	......	
2	3. Oilseeds ...	......	12	12	1,364	12	1,364	
4	4. Salt ...	4	16½	20½	2,677	20½	2,677	
53	5. Piece-goods ...	17	225	242	29,168	242	29,168	
...	6. Metal ...	......	......	......	......	......	......	
46	7. Building materials	......	396	396	346	......	......	
5	8. Miscellaneous ...	1	13	14	1,385	14	1,385	
1	9. Fuel ...	......	70	70	4	70	4	
11 rafts	10. Timber ...	......	554 No.	554 No.	1,108	554 No.	1,108	
7 "	11. Bamboos ...	......	2,750 "	2,750 "	82	2,750 "	82	
169 & 18 rafts.	12. Total ...	209	733½ & 3,304 No.	942½ & 3,304 No.	44,245	546½ & 3,304 No.	43,899	
167 & 11 rafts.	13. Total of same month last year.	127	720 & 258 No.	847 & 258 No.	39,739	370 & 250 No.	39,532	

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.	62	107	169
15. Total number of boats plying passenger No.	......	1	1
15½. Total number of empty boats No.	91	98	189
16. Total registered tonnage, cargo Tons	645	1,057½	1,702½
17. Total registered tonnage, passenger Tons	......	3	3
18. Ton-mileage	8,384	14,664	23,048
19. Estimated value of cargo Rs.	9,675	33,380	43,055
20. Number of passengers No.	......	8	8
21. Rafts, bamboos "	......	2,750	2 750
22. Do., bullahs "	......	554	554
23. Estimated value of rafts Rs.	......	1,190	1,190
24. Tollage on boats "	101-10-3	251-10-3	353-4-6
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	......	24-6-3	24-6-3
27. Total tollage on boats per ton-mile	......	......	0-0-2·9
28. Total tollage on rafts per 100 cubic feet	......	......	0-11-9

	Rs. A. P.
Total tollage of month—24+25+26 ...	377 10 9
Total tollage of same month last year ...	457 8 9

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month	......
2. Tollage per month ...	377 10 9
3. Total ...	377 10 9
4. Amount credited in the accounts of the month ...	375 0 3
5. Balance due at the end of the month ...	2 10 6

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	REMARKS.
52	1. Grain ...	160	......	160	8,613	160	8,613	
...	2. Cotton ...	......	......	......	......	......	......	
7	3. Oilseeds ...	......	31	31	2,643	31	2,643	
5	4. Salt ...	21	......	21	2,008	21	2,008	
9	5. Piece-goods ...	......	54	54	4,623	54	4,623	
...	6. Metal ...	......	......	......	......	......	......	
54	7. Building materials	......	445	445	725	......	......	
2	8. Miscellaneous ...	......	1	1	240	1	240	
...	9. Fuel ...	......	......	......	......	......	......	
1 raft.	10. Timber ...	......	6 No.	6 No.	36	6 No.	36	
...	11. Bamboos ...	......	......	...	......	......	......	
129 & 1 raft.	12. Total ...	181	531 & 6 No.	712 & 6 No.	18,888	267 & 6 No.	18,163	
59	13. Total of same month last year.	18½	367½	386	13,255	91	12,916	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	106	23	129
15. Total number of boats plying passenger No.	......	1	1
15½. Total number of empty boats No.	65	72	137
16. Total registered tonnage, cargo Tons	598	720	1,318
17. Total registered tonnage, passenger Tons	......	6	6
18. Ton-mileage ...	7,164	10,922	18,086
19. Estimated value of cargo Rs.	10,611	8,241	18,852
20. Number of passengers No.	......	7	7
21. Rafts, bamboos "	......	......	......
22. Do., bullahs "	......	6	6
23. Estimated value of rafts Rs.	......	36	36
24. Tollage on boats "	97-11-6	191-3-3	288-14-9
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	......	0-12-0	0-12-0
27. Total tollage on boats per ton-mile	......	......	0-0-3
28. Total tollage on rafts per 100 cubic feet	......	......	12-8-0

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	289 10 9
Total tollage of same month last year	176 11 0

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	......
2. Tollage per month ...	289 10 9
3. Total ...	289 10 9
4. Amount credited in the accounts of the month ...	289 10 9
5. Balance due at the end of the month ...	......

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
1,281	1. Grain ...	6,408	668	7,076	3,30,032	7,076	3,30,082	
6	2. Cotton ...	6	4	10	7,660	10	7,660	
46	3. Oilseeds ...	135	235	370	38,450	370	38,450	
162	4. Salt ...	......	1,508	1,508	1,38,150	1,508	1,38,150	
6	5. Piece-goods ...	2	1	3	8,000	3	8,000	
19	6. Metal	45	51	96	95,700	96	95,700	
·00	7. Building materials	82	26	108	819	108	819	
6	8. Miscellaneous ...	1,239	1,339	2,578	4,39,994	2,578	4,39,994	
28	9. Fuel ...	91	78	169	1,922	169	1,922	
8 rafts.	10. Timber ...	306 c. ft.	182 c. ft.	488 c. ft.	468	488 c. ft.	468	
4 "	11. Bamboos ...	2,300 "	......	2,300 "	20	2,300 "	20	
2,167 & 12 rafts.	12. Total ...	8,008 & 2,606 c. ft.	3,910 182 c. ft.	11,918 & 2,788 c. ft.	10,61,215	11,918 & 2,788 c. ft.	10,61,215	
1,820 & 21 rafts.	13. Total of same month last year.	7,647 & 3,128 c. ft.	5,002 & 140 c. ft.	12,649 & 3,268 c. ft.	12,95,199	12,638 & 3,268 c. ft.	12,93,699	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	1,575	592	2,167
15. Total number of boats plying passenger No.	569	622	1,191
15½. Total number of empty boats No.	646	917	1,563
16. Total registered tonnage, cargo Tons	22,715	9,420	32,135
17. Total registered tonnage, passenger Tons	2,946	2,807	5,753
17½. Total registered tonnage, empty boats Tons	2,768	4,229	6,997
18. Ton-mileage	574,751	259,720	834,471
19. Estimated value of cargo Rs.	4,47,722	6,13,005	10,60,727
20. Number of passengers No.	5,896	5,406	11,302
21. Rafts, bamboos c. ft.	2,300	......	2,300
22. Do., bullahs "	306	182	488
23. Estimated value of rafts Rs.	283	205	488
24. Tollage on boats "	8,254-9-6	4,667-11-0	12,922-4-6
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	18-1-6	1-5-0	19-6-6
27. Total tollage on boats per ton-mile	......	......	0-0-2·9
28. Total tollage on rafts per 100 cubic feet	......	......	0-11-2

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	12,941	11	0
Total tollage of same month last year ...	11,591	8	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month...	6,194	2	8
2. Tollage per month ...	12,941	11	0
3. Total ...	19,135	13	8
4. Amount paid into Treasury during the month ...	13,847	9	9
5. Balance due at the end of the month ...	5,288	3	11

HIDGELLEE TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
633	1. Grain ...	4,550	7	4,557	1,79,785	4,557	1,79,785	
...	2. Cotton ...	......	......	......	......	......	......	
1	3. Oilseeds ...	14	......	14	800	14	800	
67	4. Salt ...	......	582	582	64,050	582	64,050	
14	5. Piece-goods ...	......	58	58	40,250	58	40,250	
1	6. Metal ...	......	2	2	400	2	400	
1	7. Building materials	...	7	7	200	7	200	
1,218	8. Miscellaneous ...	720	999	1,719	1,54,196	1,719	1,54,196	
8	9. Fuel ...	4	53	57	402	56	390	
3 rafts	10. Timber ...	688 c. ft.	99 c. ft.	787 c. ft.	1,100	787 c. ft.	1,100	
...	11. Bamboos ...	......	......	......	......	......	......	
1,943 & 3 rafts.	12. Total ...	5,288 & 688 c. ft.	1,708 & 99 c. ft.	6,996 & 787 c. ft.	4,41,183	6,995 & 787 c. ft	4,41,171	
1,401 & 3 rafts.	13. Total of same month last year.	192 & 75 c. ft.	1,368 & 65 c. ft.	5,560 & 140 c. ft.	3,23,967	5,557 & 140 c. ft.	3,23,342	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	869	1,074	1,943
15. Total number of boats plying passenger No.	56	57	113
16. Total registered tonnage, cargo Tons	11,503	8,701	20,204
17. Total registered tonnage, passenger Tons	777	764	1,541
18. Ton-mileage	2,37,859	1,80,971	4,18,830
19. Estimated value of cargo Rs	1,95,942	2,44,141	4,40,083
20. Number of passengers No.	2,792	2,080	4,872
21. Rafts, bamboos c. ft.	......	......	......
22. Do., bullahs „	688	99	787
23. Estimated value of rafts Rs.	875	225	1,100
24. Tollage on boats „	4,164-13-3	3,135-14-0	7,300-11-3
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts „	5-12-0	0-8-0	6-4-0
27. Total tollage on boats per ton-mile	......	......	0-0-3·3
28. Total tollage on rafts per 100 cubic feet	......	......	0-12-8

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	7,306	15	3
Total tollage of same month last year	4,857	3	3

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	2,432	15	9
2. Tollage per month ...	7,306	15	3
3. Total ...	9,739	15	0
4. Amount paid into Treasury during the month ..	7,198	4	3
5. Balance due at the end of the month ...	2,541	10	9

SONE CIRCLE.

PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	PRIVATE. Quantity. Tons.	Value. Rupees.	REMARKS.
9	1. Grain ...	17	119	136	7,385	136	7,385	
...	2. Cotton ...	......	......	......	......	......	......	
27	3. Oilseeds ...	1	432	433	42,336	433	42,336	
9	4. Salt ...	113	......	113	7,954	113	7,954	
40	5. Piece-goods ...	164	124	288	30,336	288	30,336	
...	6. Metal ...	7	3	10	11,656	10	11,656	
51	7. Building materials	461	202	663	5,891	246	1,461	
66	8. Miscellaneous ...	214	466	680	66,796	662	66,386	
...	9. Fuel ...	......	......	......	......	......	......	
	10. Timber rafts	......	13	13	122	13	122	
3	11. Bamboos { Boats	......	31	31	400	31	400	
	{ Rafts	......	136	136	2,798	136	2,798	
205	12. Total ...	977	1,526	2,503	1,75,674	2,068	1,70,834	
233	13. Total of same month last year.	548	2,063	2,611	2,13,100	2,559	2,12,794	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	101	104	205
15. Total number of boats plying passenger No.	4	5	9
15½. Total number of empty boats No.	115	56	171
16. Total registered tonnage, cargo Tons	1,586	2,349	3,935
17. Total registered tonnage, passenger Tons	108	135	243
17½. Total registered tonnage, empty boats Tons	519	270	789
18. Ton-mileage ...	68,502	1,86,328	2,54,830
19. Estimated value of cargo Rs.	46,716	1,26,038	1,72,754
20. Number of passengers No.	310½	470½	781
21. Rafts, bamboos c. ft.	......	20,402	20,402
22. Do., bullahs "	.....	982	982
23. Estimated value of rafts Rs.	......	2,920	2,920
24. Tollage on boats "	670-11-3	1,731-12-3	2,402-7-6
25. Compounded tollage on boats Rs.	75-0-0	75-0-0	150-0-0
26. Tollage on rafts "	......	61-15-6	61-15-6
27. Total tollage on boats per ton-mile	......	......	0-0-1·92
28. Total tollage on rafts per 100 cubic feet	......	......	0-4-7

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	2,614	7	0
Total tollage of same month last year ...	3,316	4	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	987	0	3
2. Tollage per month ...	2,614	7	0
3. Total ...	3,601	7	3
4. Amount credited in the accounts of the month	3,423	9	3
5. Balance due at the end of the month ...	177	14	0

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
152	1. Grain ...	187	2,008	2,195	1,25,676	2,195	1,25,676	
...	2. Cotton ...	4	.....	4	4,720	4	4,720	
11	3. Oilseeds ...	1	109	110	9,139	110	9,139	
21	4 Salt ...	195	......	195	15,345	195	15,345	
2	5. Piece-goods .	13	......	13	13,600	13	13,600	
2	6. Metal ...	13	1	14	1,155	2	305	
49	7. Building materials	5	474	479	2,682	301	1,651	
82	8. Miscellaneous ...	153	747	900	29,029	338	28,558	
...	9. Fuel ...	....	......	......	......	......	......	
...	10. Timber ...	......	1	1	90	1	90	
1	11. Bamboos { Boats	......	2	2	15	2	15	
	Rafts	......	25	25	250		250	
	Bullahs ...	......	48	48	322	48	322	
320	12. Total ...	571	3,415	3,986	2,02,023	3,234	1,99,571	
221	13. Total of same month last year.	285	1,970	2,255	1,12,153	2,173	1,11,298	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	72	248	320
15. Total number of boats plying passenger No.	6	2	8
15½. Total number of empty boats No.	230	44	274
16. Total registered tonnage, cargo Tons	1,036	5,471	6,507
17. Total registered tonnage, passenger Tons	93	67	160
17½. Total registered tonnage, empty boats Tons	1,092	242	1,334
18. Ton-mileage ...	93,241	2,84,841	3,78,082
19. Estimated value of cargo Rs.	59,738	1,41,713	2,01,451
20. Number of passengers No.	993	911	1,904
21. Rafts, bamboos c. ft.	......	3,750	3,750
22. Do., bullahs "	......	3,610	3,610
23. Estimated value of rafts Rs.	......	572	572
24. Tollage on boats "	597-0-3	2,144-13-6	2,741-13-9
25. Compounded tollage on boats Rs.	292-0-0	292-0-0	584-0-0
26. Tollage on rafts "	......	9-3-9	9-3-9
27. Total tollage on boats per ton-mile	......	......	0-0-1·68
28. Total tollage on rafts per 100 cubic feet	......	......	0-2-0

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	3,335	1	6
Total tollage of same month last year ...	1,589	7	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	33	6	0
2. Tollage per month ...	3,335	1	6
3. Total ...	3,368	7	6
4. Amount credited in the accounts of the month	3,031	5	9
5. Balance due at the end of the month ...	337	1	9

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	PRIVATE. Quantity. Tons.	Value. Rupees	REMARKS.
120	1. Grain ...	......	2,365	2,365	2,20,061	2,365	2,20,061	
...	2. Cotton ...	......	......	......	......	......	......	
9	3. Oilseeds ...	1	163	164	18,614	164	18,614	
1	4. Salt ...	4	5	9	1,041	9	1,041	
...	5. Piece-goods ...	1	......	1	1,950	1	1,950	
...	6. Metal ...	2	1	3	898	3	898	
4	7. Building materials	......	50	50	1,019	38	794	
13	8. Miscellaneous ...	14	144	158	19,773	149	19,498	
Rafts	9. Fuel ...	......	10	10	87	10	87	
Rafts	10. Timber ...	......	19	19	300	19	300	
Rafts	11. Bamboos ...	...	......	......	......	......	......	
147	12. Total ...	22	2,757	2,779	2,63,743	2,758	2,63,243	
119	13. Total of same month last year	144	1,685	1,829	1,66,845	1,760	1,64,195	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	......	147	147
15. Total number of boats plying passenger No.	9	5	14
15½. Total number of empty boats No.	35	31	66
16 Total registered tonnage, cargo Tons	22	3,656	3,678
17. Total registered tonnage, passenger Tons	243	135	378
17½. Total registered tonnage, empty boats Tons	179	159	338
18. Ton-mileage ...	8,335	1,03,864	1,12,199
19. Estimated value of cargo Rs.	4,182	2,59,174	2,63,356
20. Number of passengers No.	658	318	976
21. Rafts, bamboos c. ft.	......	......	......
22. Do., bullahs "	......	2,238	2,238
23. Estimated value of rafts Rs.	......	387	387
24. Tollage on boats "	26-9-0	843-6-6	869-15 6
25. Compounded tollage on boats Rs.	75-0-0	171-0-0	246-0-0
26. Tollage on rafts "	......	4-3-0	4-3-0
27. Total tollage on boats per ton-mile	......	......	0-0-1·90
28. Total tollage on rafts per 100 cubic feet	......	......	0-3-0

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	1,120	2	6
Total tollage of same month last year ...	853	11	9

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	222	15	3
2. Tollage per month ...	1,120	2	6
3. Total ...	1,343	1	9
4. Amount credited in the accounts of the month ...	1,105	12	0
5. Balance due at the end of the month ...	237	5	9

ABSTRACT FOR THE MONTH OF JULY 1888 AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

Canal.	Traffic, 1888-89.		Traffic, 1887-88.		Remarks.
	During the month.	To end of the month.	During the month.	To end of the month.	
Orissa Circle.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Taldunda Canal System ...	311 5 6	684 7 3	1,087 1 6	1,908 0 6	
Kendrapara Canal System	4,574 11 6	12,860 12 8	3,751 8 5	10,815 0 2	
High Level, Range I ...	573 9 6	1,602 2 9	622 7 0	1,750 9 0	
Ditto, " II ...	377 10 9	993 4 0	457 8 9	1,108 1 6	
Ditto, " III ...	289 10 9	499 8 3	176 11 0	319 13 3	
Total Orissa Circle ...	6,126 15 11	16,640 2 11	6,095 4 8	15,896 8 5	
South-Western Circle.					
Midnapore Canal ...	12,941 11 0	46,853 0 9	11,591 8 6	39,614 5 3	
Hidgellee Tidal Canal ...	7,306 15 3	25,508 9 6	4,857 3 3	21,225 5 3	
Total South-Western Circle	20,248 10 3	72,361 10 3	16,448 11 9	60,839 10 6	
Sone Circle.					
Patna Canal System ...	2,614 7 0	11,457 8 6	3,316 4 6	11,323 4 0	
Arrah ditto ...	3,335 1 6	7,764 10 0	1,589 7 0	5,957 5 10	
Buxar ditto ...	1,120 2 6	3,874 7 9	853 11 9	3,226 6 0	
Total Sone Circle ...	7,069 11 0	23,096 10 3	5,759 7 3	20,506 15 10	
Grand Total ...	33,445 5 2	1,12,098 7 5	28,303 7 8	97,243 2 9	

GOVERNMENT TRANSPORT SERVICE.

Canal.	Traffic, 1888-89.						Traffic, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
Orissa Circle.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level	308	81	370 0 7	785	883	1,085 7 6	520	390	549 9 7	1,186	1,975	1,605 5 3
Total Orissa Circle ...	308	81	370 0 7	785	883	1,085 7 6	520	390	519 9 7	1,186	1,975	1,605 5 3

TOTAL NAVIGATION RECEIPTS.

Canal.	Traffic, 1888-89.		Traffic, 1887-88.		Remarks.
	During the month.	To end of the month.	During the month.	To end of the month.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals ...	6,497 0 6	17,725 10 5	6,644 14 3	17,501 13 8	
Midnapore Canal ...	12,941 11 0	46,853 0 9	11,591 8 6	39,614 5 3	
Hidgellee Tidal Canal ...	7,306 15 3	25,508 9 6	4,857 3 3	21,225 5 3	
Sone Canals ...	7,069 11 0	23,096 10 3	5,759 7 3	20,506 15 10	
Total ...	33,815 5 9	1,13,183 14 11	28,853 1 3	98,848 8 0	

CALCUTTA,
The 11th September 1888.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS

Approximate Return of Traffic for the week ending Saturday, the 8th September 1888, as compared with the corresponding week of the previous year

Nature of Cargo.	Week ending Saturday, the 8th September 1888			Week ending Saturday, the 10th September 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No	Mds.	Rs.
Rice and paddy	659	1,60,890	2,591	740	1 23,825	2,107
Jute . ..	138	65 600	1,166	71	24,725	623
Firewood . ..	156	87,150	1,298	107	47,185	706
Other articles ..	972	2,47,550	3,753	832	1,47,295	2,259
Total ..	1,925	5,61,190	8,808	1,750	3,48,030	5,595

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ended 28th July 1888, as compared with the same period of 1887.

Staples.		1888.		1887.		Increase.		Decrease.	
		Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
		Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	
Animals, living	Horses, ponies, and mules	No. 16	2,502	No. 78	1,066	No. 89	1,436	No.	
	Cattle	174	384	168	425	,, 11		,,	41
	Sheep and goats	3,110	2,065	3,659	2,838			,, 549	773
	Other kinds								
Borax		2,067	1,757	2,326	1,946			259	189
Canes and rattans			......	......				......	
Caoutchouc (Indian-rubber)		9	1	20	3			11	
Chinese and Japanese ware		28	41	20	32	6		......	......
Coal and coke, up		4,68,930	1,53,511	5,26,010	1,88,511			57,080	35,000
Ditto, down		18,22,745	2,58,605	16,48,345	2,28,325	1,74,400	30,280	......	......
Cotton, raw		19,354	19,140	37,037	38,594			17,683	19,454
Cotton, manufactured.	Twist and yarn (European)	7,539	9,532	8,480	10,983			941	1,451
	Ditto (Indian)	10,766	7,613	14,510	9,820			3,744	2,207
	Piece-goods (European)	72,414	90,487	84,339	1,01,924			11,925	11,437
	Ditto (Indian) ...	14,150	7,927	14,942	8,258			792	331
Drugs and Medicines.	Asafoetida ...	173	124	47	33	126		......	
	Other sorts, not intoxicating...	1,387	1,822	1,242	1,728	145		......	
	Intoxicating drugs (other than opium, i.e., arsenic, bhang, ganja, and charas, &c.)	1,613	693	2,123	962			510	
Dyeing Materials.	Indigo	238	216	247	196			9	
	Madder or manjit ...	6	9	27	19			21	10
	Safflower	404	127	198	114	206		......	
	Turmeric	6,577	2,708	7,006	3,279			429	571
	Other kinds	4,166	2,422	7,023	4,784			2,857	2,362
Earthenware and porcelain		462	772	452	764	10		......	
Fibrous products.	Jute, raw	18,420	2,020	7,678	1,994	10,742		......	
	Do., manufactured (gunny bags and cloths).	46,471	21,600	53,603	26,523			7,132	4,923
	Other fibres, raw ...	8,406	3,420	9,798	4,708			1,393	1,288
	Ditto, manufactured	1,385	590	1,419	635			34	45
Fruits & Nuts	Cocoanuts	4,353	2,772	4,297	2,758	36	14	......	......
	All other kinds	30,182	18,964	36,891	22,163			6,709	3,201
Grain & Pulses	Wheat	6,19,550	1,51,158	6,88,870	1,66,228			69,320	15,070
	Gram and pulses... ...	1,30,121	24,072	2,59,121	58,842			1,29,000	32,770
	Rice, husked	3,11,572	81,983	4,00,072	1,03,073			88,500	21,090
	Do., unhusked	13,954	1,789	8,444	949	5,510	840	......	......
	Other rain and spring crops	1,14,870	28,468	1,88,840	39,398			73,970	10,930
Government stores...		12,797	26,253	19,900	47,784			7,103	21,531
Gums and resins		7,405	4,267	7,627	4,278			222	11
Hides & Skins...	Hides of cattle	14,427	7,863	21,262	11,450			6,835	3,587
	Skins of sheep, goats, and small animals.	11,600	6,549	21,152	13,334			6,053	6,785
Horns ...		1,412	915	2,095	1,182			683	207
Lac ...	Lac dye	227	75	178	73		2	......	......
	Do. shell	12,500	7,857	17,795	12,488		....	5,295	4,631
	Do. stick and other kinds	11,543	3,220	11,487	2,919		271	......	
Leather ...	Leather, unmanufactured	1,633	3,461	1,635	3,490			2	
	Ditto, manufactured	814	1,039	924	1,269			110	230
Liquors		11,942	9,770	11,234	10,739			......	969
Mats		279	84	290	133			61	49
Minerals		75,703	13,106	84,327	13,184			8,624	78
Metals and Manufactures of	Brass and copper ...	19,875	15,423	30,670	24,942			10,795	9,519
	Iron	62,641	41,055	57,728	35,512	4,913	5,543		
	Other metals	6,101	5,307	6,077	5,227	24	80		
Oils		49,162	23,070	33,287	19,180	15,875	3,890		
Opium		679	598	3,744	2,341			3,065	1,743
Paints and colours...		84	805	1,925	1,119			1,841	314
Provisions ...	Ghee	17,517	12,650	19,004	18,283			1,487	5,633
	Other kinds	5,703	4,751	5,108	4,910	595		......	159
Railway materials, Construction Account ...		26,098	809	31,845	2,068			5,747	1,259
Ditto ditto, Foreign		1,62,462	42,220	1,81,490	78,299			19,028	36,079
Salt		3,95,553	72,090	4,31,786	91,779			36,233	19,689
Saltpetre, &c.	Saltpetre	30,691	14,885	29,999	15,159	692			274
	Other saline substances	16,290	3,248	16,435	4,217			145	969
Seeds, Oil-seeds.	Linseed	6,11,043	1,74,945	6,28,903	1,83,165			17,860	8,220
	Mustard and rape ...	1,45,235	42,059	1,61,465	51,199			16,230	9,140
	Til or gingelly	3,783	1,032	5,393	1,482			1,610	450
	Other oilseeds	1,38,681	39,967	2,09,261	63,497			70,580	23,530
Seeds, Other seeds.	Indigo seed	1,135	277	6,565	2,147			5,430	1,870
	Tea seed .		......	......	......			......	......
	Other kinds	33,629	12,012	37,809	14,502			4,180	2,490
Silk ...	Silk, raw ...	1,114	1,395	1,898	1,712			782	317
	Do., manufactured (European)		......	......	......				
	Do., ditto (Indian)...	646	568	640	484	6	84		
Spices		8,294	6,178	8,052	4,778	242	1,400		
Stone and marble		98,344	12,112	73,097	8,552	25,247	3,560		
Sugar ...	Sugar, refined ...	85,398	14,923	88,528	18,795			3,130	3,872
	Do., unrefined ...	30,903	4,199	30,450	4,606	453		.....	407
Tea ...	Tea, Indian ...	2,191	2,758	2,385	3,419			194	661
	Do., Foreign ...							.....	.....
Tobacco		48,693	17,489	52,246	18,246			3,553	757
Wood ...	Timber	27,525	8,557	25,616	7,509	1,909	1,048	.....	.....
	Firewood	17,609	1,185	18,137	1,420			528	235
Wool ...	Wool, raw ...	674	430	1,115	1,028			441	598
	Do., manufactured (European)								
	Wool, manufactured (Indian)	1,441	973	1,331	990	110			17
	Shawls		.....	.....	...				......
All other articles of merchandise		1,80,039	1,08,085	2,20,969	1,44,534			40,930	35,449
Bones		38,350	9,868	20,937	6,520	17,413	3,348		
Potatoes		30,832	16,178	29,941	14,331	891	847		
	Total	61,35,843	16,95,869	66,87,153	20,03,278	2,60,384	52,913	7,51,694	3,65,322

General remarks on the fluctuation of principal staples carried over the East Indian Railway during month ended 28th July 1888.

INCREASES.

Iron.—This increase is due chiefly to despatches of first-class iron and machinery to the Cawnpore Mills from Howrah.

Oil.—As reported in previous months, the increase under this head was chiefly in kerosine oil from Howrah.

Stones.—Due to despatches of stone fencing posts from Mirzapore, Pahara, and Chunar for the Assam-Behar State Railway.

Bones.—This is due to the same reason as stated in my remarks for June last, viz. demands at the crushing mills near Calcutta.

DECREASES.

Coal and coke.—There has been a decrease in the upward and an increase in the downward coal and coke traffic; the former was due to smaller demands from the ice factory and other mills at Allahabad and Cawnpore, and the latter to heavy despatches from Sitarampore, Burrakur, and Giridih to the Eastern Bengal State Railway and to Howrah.

Cotton.—This is attributable to failure of crops as stated in previous months.

Wheat.—Due to low prices ruling at the home markets during the period under review.

Piece-goods, European.—This decrease may be ascribed to the up-country markets being over stocked.

Gunny.—This decrease naturally follows the decrease in wheat and seeds.

Gram and pulses.—The falling off in these staples was principally at Cawnpore and stations nearer to Cawnpore, and also at Monghyr, Kajra, and Burhee, and may be attributed to absence of demand.

Rice (husked and unhusked).—This decrease was at almost all the stations on the loop line, and was due to limited demanp from Patna and stations above.

Other rain and spring crops.—The falling off under this head was chiefly at stations on the Dinapore and Allahabad districts, and was due to scanty crop.

Government Stores.—Due to heavy despatches last year from Howrah to Ferozepore and Rawalpindi.

Skins.—This falling off is ascribed to the dull state of the market.

Brass and copper.—Despatches are still restricted owing to high prices being maintained.

Railway material, Foreign.—Due to smaller despatches from Howrah owing to the completion of foreign railways.

Salt.—This may be attributed to large stocks being held at the large salt centres up-country.

Seeds.—Due to an unsatisfactory demand for shipment during the month.

N. St. L. Carter, *Offg. Traffic Manager.*

Traffic Manager's Office, Jamalpur, *the 5th September* 1888.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 1st September 1888, on 1,513¾ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*199,719	*2,03,570 12 0	23,12,634 20	4,00,467 13 0	16,112 9 8	6,20,151 2 8	63,670½	69,689½	133,360
Or per mile of railway	......	134 7 8	......	264 8 10	10 10 4	409 10 10	......	......	......
For previous 8 weeks of half-year ...	1,824,345	17,90,698 14 0	1,77,06,498 10	34,31,089 1 9	1,30,197 15 5	53,51,985 15 2	513,068½	613,901½	1,126,970
Total for 9 weeks ...	2,024,064	19,94,269 10 0	2,00,19,130 30	38,31,556 14 9	1,46,310 9 1	59,72,137 1 10	576,738½	683,591½	1,260,330
Comparison.									
Total for corresponding week of previous year ...	267,856½	2,68,491 9 0	22,61,490 30	4,45,434 4 3	15,951 13 6	7,29,877 10 9	64,814	78,276	143,090
Per mile of railway corresponding week of previous year ...	......	176 12 1	......	293 3 11	10 8 0	480 8 0	......	......	...
Total to corresponding date of previous year ...	2,291,524	22,82,622 12 4	1,96,04,425 20	40,86,450 0 0	1,54,591 13 1	65,23,664 9 5	605,778	752,183	1,357,961

* The decrease in coaching traffic is partly due to bad weather, and to the receipts for the corresponding period of 1887 having included exceptional traffic on account of Sun Eclipse.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	7,29,878	481	1,513¾	6,20,151	410	1,519	1,89,31,214	566	1,513¾	1,79,05,064	538	......	10,26,150

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 1st September 1888, on 57¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	7,633	3,864 9 0	19,254 10	1,403 14 0	21 5 0	5,289 12 0	1,758	1,041	2,799
Or per mile of railway ...	133¼	67 9 0	336 30	24 8 8	0 6 0	92 7 8	......	......	......
For previous 8 weeks of half-year ...	76,675	35,549 13 0	2,51,320 20	17,653 0 0	218 6 0	53,420 3 0	13,701	6,052	19,753
Total for 9 weeks ...	84,308	39,413 6 0	2,70,574 30	19,056 14 0	239 11 0	54,709 15 0	15,459	7,093	22,552
Comparison.									
Total for corresponding week of previous year ...	33,352½	20,232 10 3	29,201 20	2,172 7 0	55 7 0	22,460 8 3	2,643	321	2,964
Per mile of railway corresponding week of previous year ...	583	353 11 6	510 30	37 15 8	0 15 6	392 10 8	......	......	......
Total to corresponding date of previous year ...	125,127½	65,129 10 10	3,74,508 20	23,451 8 0	341 12 9	88,923 15 7	16,952	6,714	23,666

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57¼	22,461	393	57¼	5,290	92	57¼	2,08,085	165	57¼	1,74,604	139	......	33,481

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 1st September 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,854	490 15 0	4,558 10	118 10 0	4 15 0	614 8 0	406½	87	493½
Or per mile of railway	......	40 14 7	......	9 14 2	0 6 7	51 3 4	......	......	......
For previous 8 weeks of half-year..	23,991	4,047 9 0	54,791 30	1,400 11 0	72 13 0	5,521 1 0	3,145	1,037	4,182
Total for 9 weeks ...	26,845	4,538 8 0	59,350 0	1,519 5 0	77 12 0	6,135 9 0	3,551½	1,124	4,675½
Comparison.									
Total for corresponding week of previous year	2,537	418 0 11	4,203 10	100 4 0	3 8 3	521 13 2	408	85	493
Per mile of railway corresponding week of previous year ...	......	34 13 5	......	8 5 8	0 4 8	43 7 9	......	......	......
Total to corresponding date of previous year	27,605½	4,507 14 5	77,153 0	1,770 2 0	62 3 3	6,400 3 8	3,729	849	4,578

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	522	43	12	615	51	12	21,001	80	12	21,975	83	974	......

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 1st September 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,664	2,967 0 0	76,493 20	1,455 0 0	125 6 0	4,547 6 0	629	747	1,376
Or per mile of railway	......	39 10 8	......	19 7 2	1 10 10	60 12 8	......	......	......
For previous 8 weeks of half-year	35,956	24,418 10 0	6,11,553 0	21,337 3 0	936 10 0	46,692 7 0	5,214	9,130½	14,344½
Total for 9 weeks ...	40,620	27,385 10 0	6,88,046 20	22,792 3 0	1,062 0 0	51,239 13 0	5,843	9,877½	15,720½
Comparison.									
Total for corresponding week of previous year	4,734½	3,288 15 3	85,593 10	5,832 11 0	165 13 0	9,287 7 3	687	2,324	3,011
Per mile of railway corresponding week of previous year ...	......	43 15 6	......	77 15 7	2 3 6	124 2 7	......	......	......
Total to corresponding date of previous year	45,677	35,526 0 7	7,66,716 20	27,525 2 0	977 15 9	64,029 2 4	6,754	11,540	18,294

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	9,287	124	74½	4,547	61	74½	1,78,031	108	74½	1,56,834	95	......	21,197

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 1st September 1888, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	13,586	3,578 1 0	2,152 0	82 0 0	6 9 0	3,666 10 0	935	33	968
Or per mile of railway ...	......	160 13 0	......	3 10 11	0 4 9	164 12 8	......	......	......
For previous 8 weeks of half-year ...	146,365	36,703 8 0	23,799 10	852 15 0	49 2 0	37,605 9 0	7,433	399	7,832
Total for 9 weeks ...	159,951	40,281 9 0	25,951 10	934 15 0	55 11 0	41,272 3 0	8,368	432	8,800
Comparison.									
Total for corresponding week of previous year ...	10,873½	4,138 0 6	3,191 30	116 14 0	2 8 0	4,257 6 6	959	9	968
Per mile of railway corresponding week of previous year ...	......	185 15 8	......	5 4 0	0 1 10	191 5 6	......	......	......
Total to corresponding date of previous year ...	156,074½	37,361 11 6	33,660 10	1,271 13 0	43 8 3	38,677 0 9	8,801	383	9,184

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	4,257	191	22¼	3,667	165	22¼	1,15,747	236	22¼	1,25,580	257	9,833	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 1st September 1888, on 672 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	106,767	50,262 0 0	685,651 0	1,81,445 0 0	22,964 0 0	2,54,671 0 0	23,494	25,836	49,330
Or per mile of railway ...	159	75 0 0	1,020 0	270 0 0	†10 0 0	355 0 0	......	......	......
For previous 8 weeks of half-year ...	926,559	3,97,298 0 0	3,878,352 0	9,18,258 0 0	99,410 0 0	14,14,966 0 0	174,672	168,835	343,507
Total for 9 weeks ...	1,033,326	4,47,560 0 0	4,564,003 0	10,99,703 0 0	1,22,374 0 0	16,69,637 0 0	197,566	194,671	392,237
Comparison.									
Total for corresponding week of previous year ...	*138,469	47,289 0 0	568,134 0	1,33,677 0 0	9,808 0 0	1,90,774 0 0	20,874	[illegible]	44,809
Per mile of railway corresponding period of previous year ...	215	73 0 0	881 0	207 0 0	†3 0 0	283 0 0	......	......	......
Total to corresponding date of previous year ...	1,079,319	4,44,888 0 0	4,740,505 0	9,38,901 0 0	1,03,717 0 0	14,87,501 0 0	191,161	187,869	[illegible]

* Includes 41,820 monthly tickets.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,90,774	296	672	2,54,671	379	645	33,34,505	235	674	*36,15,110	244	2,80,605	......

* Audited up to 30th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 1st September 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	19,474	6,032 0 0	57,691 0	6,724 0 0	60 0 0	18,416 0 0	3,812	1,860	5,672
Or per mile of railway	156	53 0 0	462 0	54 0 0	... ..	107 0 0	......	......	......
For previous 8 weeks of half-year	188,294	59,173 0 0	2,77,547 0	22,405 0 0	582 0 0	82,160 0 0	30,591	14,913	45,504
Total for 9 weeks ...	207,768	65,805 0 0	3,35,238 0	29,129 0 0	642 0 0	95,576 0 0	34,403	16,773	51,176
Comparison.									
Total for corresponding week of previous year	*28,475	7,259 0 0	65,764 0	7,240 0 0	70 0 0	14,569 0 0	3,850	2,200	6,050
Per mile of railway corresponding period of previous year ...	228	58 0 0	526 0	58 0 0	1 0 0	117 0 0	......	......	......
Total to corresponding date of previous year	227,459	72,047 0 0	3,74,411 0	33,824 0 0	1,153 0 0	1,07,024 0 0	34,562	15,998	50,560

* Includes Rs. 7,200 monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	14,569	117	125	18,416	107	125	2,83,010	103	125	*2,57,377	94	......	25,633

* Audited up to 30th June 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 1st September 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	No. of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	18,346	5,577 0 0	20,070 0	980 0 0	90 0 0	6,647 0 0	2,783	322	3,105
Or per mile of railway	213	65 0 0	338 0	11 0 0	1 0 0	77 0 0	... ..	......	......
For previous 8 weeks of half-year	93,134	30,146 0 0	70,466 0	4,488 0 0	1,703 0 0	36,337 0 0	19,538	5,299	24,837
Total for 9 weeks ...	111,480	35,723 0 0	90,536 0	5,468 0 0	1,793 0 0	42,984 0 0	22,321	5,621	27,942
Comparison.									
Total for corresponding week of previous year	10,540	3,186 0 0	26,576 0	1,803 0 0	71 0 0	5,060 0 0	2,639	325	2,964
Per mile of railway corresponding period of previous year ...	123	37 0 0	309 0	21 0 0	1 0 0	59 0 0	.....	......	......
Total to corresponding date of previous year	103,281	32,087 0 0	100,336 0	6,798 0 0	1,361 0 0	40,240 0 0	24,597	4,085	28,682

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	5,060	59	86	6,647	77	86	1,06,005	56	86	*1,07,849	57	1,844	......

* Audited up to week ending 30th June 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 1st September 1888, on 39 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,375	867 0 0	17,129 0	1,210 0 0	25 0 0	2,102 0 0	546	546	1,092
Or per mile of railway	61	22 0 0	439 0	31 0 0	1 0 0	54 0 0	......	......	......
For previous 8 weeks of half-year	22,456	7,240 0 0	1,46,135 0	10,690 0 0	175 0 0	18,114 0 0	4,368	4,368	8,736
Total for 9 weeks ...	24,831	8,116 0 0	1,63,264 0	11,900 0 0	200 0 0	20,216 0 0	4,914	4,914	9,828
Comparison.									
Total for corresponding week of previous year	2,304	793 0 0	5,270 0	501 0 0	17 0 0	1,311 0 0	546	546	1,092
Per mile of railway corresponding period of previous year...	59	20 0 0	135 0	13 0 0	1 0 0	34 0 0	......	......	......
Total to corresponding date of previous year	31,526	11,021 0 0	75,884 0	6,732 0 0	412 0 0	18,165 0 0	5,446	5,070	10,516

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,311	34	39	2,102	54	39	58,242	68	39	*64,253	75	6,011	......

* Audited up to week ending 30th June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ending 1st September 1888, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,195	839 0 0	16,847 0	*1,064 0 0	7 0 0	1,910 0 0	509	254	763
Or per mile of railway	81	31 0 0	618 0	39 0 0	......	70 0 0	......	......	......
For previous 8 weeks of half-year	22,172	8,129 0 0	70,762 0	4,501 0 0	472 0 0	13,102 0 0	4,072	2,305	6,377
Total for 9 weeks ...	24,367	8,968 0 0	87,609 0	5,565 0 0	479 0 0	15,012 0 0	4,581	2,559	7,140
Comparison.									
Total for corresponding week of previous year	2,519	896 0 0	7,049 0	481 0 0	13 0 0	1,390 0 0	509	254	763
Per mile of railway corresponding week of previous year ...	92	33 0 0	259 0	18 0 0	......	51 0 0	......	......	......
Total to corresponding date of previous year	28,868	10,098 0 0	77,658 0	5,072 0 0	222 0 0	15,392 0 0	4,763	2,922	7,685

* Increase due to import of coal from Babasole.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	1,390	51	27¼	1,910	70	27¼	38,688	65	27¼	41,217	69	2,529	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 1st September 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	31,054	9,802 0 0	1,02,718 0	6,962 0 0	2,350 0 0	19,114 0 0	4,652	4,639	9,291
Or per mile of railway	120	38 0 0	397 0	27 0 0	2 0 0	67 0 0*	......	......	......
For previous 8 weeks of half-year	275,925	88,261 0 0	10,78,671 0	82,946 0 0	19,804 0 0	1,91,011 0 0	43,446	39,312	82,758
Total for 9 weeks ...	306,979	98,063 0 0	11,81,389 0	89,908 0 0	22,154 0 0	2,10,125 0 0	48,098	43,951	92,049
Comparison.									
Total for corresponding week of previous year on 249 miles open	37,714	12,238 0 0	88,665 0	8,014 0 0	2,434 0 0	22,686 0 0	6,261	2,817	9,078
Per mile of railway corresponding week of previous year ...	151	49 0 0	356 0	32 0 0	1 0 0	82 0 0*	......	......	......
Total to corresponding date of previous year	259,690	1,23,948 0 0	10,94,712 0	91,752 0 0	30,625 0 0	2,46,325 0 0	60,054	42,937	102,991

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."
Note.—Decrease in both coaching and goods traffic due to heavy rains during the week.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 3rd September 1887.			Receipts for week ending 1st September 1888.			Total receipts from 1st April 1887 to 3rd September 1887.			Total receipts from 1st April 1888 to 1st September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	22,686	91	259	19,114	74	249	701,658	128	259	7,03,780	124	2,122	....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 25th August 1888	10,917
Corresponding week last year	11,220
Decrease	303
Receipts from 1st July to 25th August 1888	83,828
From 1st July to 27th August 1887	73,975
Increase	9,853
	Miles.
Miles open week ending 25th August 1888...	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 25th August 1888...	214 0 11
Corresponding week last year	220 0 0
Decrease	5 15 1

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REGISTERED No. 19.

No. 38 of 1888.

SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 19, 1888.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.

No. 1667*I*.

Government of Bengal.

PUBLIC WORKS DEPARTMENT.

Irrigation.

IRRIGATION OPERATIONS IN BENGAL FOR RABI, 1887-88.

Dated Calcutta, the 18th September 1888.

RESOLUTION.

READ—

Statements I, II, III.

Observations.—The area irrigated during the *rabi* season of 1887-88 was 61,658 acres against 49,381 acres in 1886-87, showing an increase of 24·8 per cent.

2. In Midnapore no canal irrigation of *rabi* takes place owing to the insufficiency of the water supply during the *rabi* season. In this district, as in Hooghly, Cuttack, and Balasore, the area under *rabi* cultivation is insignificant.

3. The increase noted in paragraph 1 occurs almost entirely in the districts irrigated by the Sone canals, the return from Gya alone showing a trifling decrease. The Sarun canals also show an improvement. These better results were due to the short rainfall in the four Behar districts where irrigation takes place.

4. In the table below a comparison by canals is made of the *rabi* areas irrigated during the seasons of 1886-87 and 1887-88:—

Canals.		1886-87.	1887-88.	More.	Less.
		Acres.	Acres.	Acres.	Acres.
Orissa ...	Taldunda	109	159	50	.. ..
	Kendrapara ...	2,331	567	......	1,764
	High Level ...				
Midnapore	... ...	......	.. ...	......	......
Sone ...	Patna	6,214	6,444	230	......
	Arrah	19,067	21,857	2,790	......
	Buxar	20,080	30,312	10,232	......
Sarun	... ...	1,580	2,314	734	......
	Total ...	49,381	61,653	14,036	1,764

ORDER.—Ordered that a copy of this Resolution with copy of statements Nos. I, II, and III be forwarded to the Government of India, in the Public Works Department, for information. Also that copies be forwarded to the Commissioners of the Orissa, Burdwan, and Patna Divisions; the Collectors of Cuttack, Midnapore, Patna, Shahabad, Gya, and Sarun; the Superintending Engineers of the Orissa, South-Western, and Sone Circles; and the Examiner of Public Works Accounts, Bengal, for information.

By order of the Lieutenant-Governor of Bengal,

C. W. I. HARRISON, *Lieut.-Col.*, R.E.,

Offg. Joint-Secy. to the Govt. of Bengal,

P. W. Dept.

No. I.—Rabi Statement.

GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH

IRRIGATION OPERATIONS FOR THE RABI SEASON 1887-88 (NOVEMBER TO FEBRUARY).

Comparative Statement of Irrigation and Rainfall in Canal Districts of Bengal.

District.	Area in acres.	Culturable area in acres.	Area irrigated.		1887-88 as compared with 1886-87.		Rainfall for four months.										Remarks.
							November.		December.		January.		February		Total.		
			Rabi, 1886-87.	Rabi, 1887-88.	Increase	Decrease.	1886.	1887.	1886.	1887.	1887.	1888.	1887.	1888.	1886-87.	1887-88.	
			Acres.	Acres.	Acres.	Acres.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In	
Cuttack	Information not available.	Information not available.	2,439	600	......	1,839	1·77	0·25	0·47	.	0·62	0·84	.	0·62	2·86	1·71	
Balasore			1	126	125	.....	1·61	0·10	...	...	0·40	1·47	...	2·86	2·01	4·43	Rainfall at Bhuddruck station.
Midnapore			.....	......	..	......	0·01	0·14	..	0·03	0·93	0·88	...	1·82	0·93	2·87	
Hooghly			......	.....	...	...	.	.	..	...	...	...	...	...	...	...	No rain-gauge stations on the Tidal Reaches of the Midnapore Canal.
Gya	3,015,690	2,356,000	3,929	3,908	......	21	0·73		0·01	.	1·36	1·66	...	...	2·10	1·66	
Patna	1,329,920	1,039,000	2,385	2,596	251	......	0·18	...	0·13	...	1·45	0·81	...	...	1·76	0·81	
Shahabad	2,806,400	2,192,500	39,147	52,169	13,022	...	...	...	0·33	...	1·50	0·99	...	...	1·83	0·99	Rainfall at Arrah station.
Sarun	1,680,000	1,312,500	1,580	2,314	734	...	0·18	...	0·58	...	1·86	1·20	...	...	2·62	1·20	Rainfall at Chupra station.
Total ...	......	......	49,381	61,653	14,132	1,860	...	...	...	...	...	...	...	...	...	...	
				Total increase.. 12,272													

Calcutta,
The 18th September 1888.

G. A. G. Shawe,
Under-Secy. to the Govt. of Bengal, P. W. Dept.

No. II.—Rabi Statement.

GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS OF FASL RABI, 1887-88.

Statement in acres of crops irrigated in Canal Districts.

Nature of Crops.		Cuttack.	Balasore.	Midnapore.	Hooghly.	Gya.	Patna.	Shahabad.	Sarun.	Total.
Garden and orchards ...	...	48	10	......	......	......	2	9	......	69
Sugarcane ...	... ...	79	92	......	......	......	......	......	......	171
Cereals ...	Wheat	......	......	......	......	1,201	243	22,418	......	23,862
	Barley	......	......	......	......	825	1,280	4,490	......	6,5[illegible]5
	Rice	......	......	......	......	......	......	......	......	......
	Miscellaneous ...	186	24	......	......	......	......	21,382	1,750	23,342
Pulse	Gram, &c. ...	......	......	......	......	668	36	112	......	816
	Miscellaneous ...	......	......	......	......	628	337	3,289	......	4,254
Fodder crops ...	Grass, lucerne ...	......	......	......	......	......	......	......	......	......
Fibres	Cotton	188	......	......	......	......	......	......	......	188
Dyes	Indigo	57	......	......	......	......	......	......	......	57
	Turmeric, &c. ...	38	......	......	......	......	......	3	......	41
Drugs	Opium	......	......	......	......	557	638	378	443	2 016
	Tobacco, &c. ...	......	......	......	......	......	......	......	......	......
Oilseeds	Mustard, &c. ...	......	......	......	......	29	......	74	......	103
	Castor	4	......	......	......	......	......	5	......	9
Miscellaneous ...	... ...	......	......	......	......	......	......	9	121	130
Hot-weather ...	... ...	......	......	......	......	......	......	......	......	......
Total Rabi, 1887-88 ...		600	126	......	......	3,908	2,536	52,169	2,314	61,653
Total Rabi, 1886-87 ...		2,439	1	......	......	3,929	2,285	39,147	1,580	49,381

Calcutta,
The 18th September 1888.

G. A. G. Shawe,
Under-Secy. to the Govt. of Bengal, P. W. Dept.

No. III.—RABI STATEMENT.

GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS OF FASL RABI, 1887-88.

Statement in acres of crops irrigated by Canals in Canal Divisions.

NATURE OF CROPS.		Taldunda Canal.	Kendrapara Canal.	High Level Canal, Range I.	High Level Canal, Range II.	High Level Canal, Range III.	Midnapore Canal.	Patna Canal.	Arrah Canal.	Buxar Canal.	Sarun Canal.	Total.
		Mahanuddy.	Brahminee-Byturnee.		Acquapadda-Jajepore.		Cossye.	Eastern Sone.	Arrah.	Buxar.	Gunduck.	
Garden and orchards ...		35		13		10	......	2	......	9	......	69
Sugarcane ...		60		19		92	......	......	......	......	......	171
Cereals ...	Wheat ...	......		......		......	......	1,444	3,749	18,669	......	23,862
	Barley ...	......		......		......	......	2,105	3,194	1,296	......	6,595
	Rice ...	......		......		......	......	......	......	......	......	......
	Miscellaneous	42		144		24	......	......	13,314	8,068	1,750	23,342
Pulse ...	Gram, &c. ...	......		......		......	......	704	53	59	......	816
	Miscellaneous	......		......		......	......	965	1,218	2,071	......	4,254
Fodder crops	Grass, lucerne	......		......		......	......	......	......	......	......	......
Fibres ...	Cotton ...	22		166		......	......	......	......	......	......	188
Dyes ...	Indigo ...	......		57		......	......	......	......	......	......	57
	Turmeric, &c.	......		38		......	......	......	......	3	......	41
Drugs ...	Opium ...	......		......		......	......	1,195	320	58	443	2,016
	Tobacco, &c. ...	......		......		......	......	......	......	......	......	......
Oilseeds ...	Mustard, &c.	......		......		......	......	29	9	65	......	103
	Castor ...	......		4		......	......	......	......	5	......	9
Miscellaneous ...		......		......		......	......	......	......	9	121	130
Hot-weather ...		......		......		......	......	......	......	......	......	......
Total Rabi, 1887-88 ...		159		441		126	......	6,444	21,857	30,312	2,314	61,653
Total Rabi, 1886-87 ...		109		2,287		44	......	6,214	19,067	20,080	1,580	49,381

CALCUTTA,
The 18th September 1888.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal, P. W. Dept.

No. I.—Annual Statement.

GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE YEAR 1887-88.

Comparative Statement of Irrigation and Rainfall for the years 1886-87 and 1887-88 in Canal Districts of Bengal.

District.	Area in acres.	Culturable area in acres.	Area irrigated.										Rainfall.		
			Kharif, 1887-88.			Rabi, 1887-88.			Whole year, 1887-88.						
			Total area.	In comparison with kharif, 1886-87.		Total area.	In comparison with rabi, 1886-87.		Total area.	In comparison with 1886-87.		Percentage of increase or decrease.	1886-87.	1887-88.	Percentage of increase or decrease.
				Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.		Inches.	Inches.	
Cuttack	Information not available.	Information not available.	89,167	20,388	......	600	......	1,839	89,767	18,549	......	+20·6	45·00	32·09	—28·6
Balasore			9,710	3,220	......	126	125	......	9,886	3,345	......	+33·9	39·30	33·60	—14·5
Midnapore			64,885	......	4,029	......	......	......	64,885	......	4,029	—6·2	33·08	38·58	+16·4
Hooghly			547	......	301	......	......	......	547	......	301	—55·0	......	......	......
Gya	3,015,680	2,356,000	29,348	3,055	......	3,908	......	21	33,256	3,034	......	+9·1	59·52	32·89	—44·7
Patna	1,329,920	1,039,000	25,409	10,537	......	2,536	251	......	27,945	10,788	......	+38·6	66·07	21·41	—64·3
Shahabad	2,806,400	2,132,500	202,773	21,095	......	52,169	13,022	......	254,942	34,117	......	+13·5	60·58	26·06	—56·9
Sarun	1,680,000	1,312,500	5,050	4,484	......	2,314	734	......	7,364	5,218	......	+70·8	61·94	27·38	—55·8
Total ...	......	......	426,889	62,779	4,330	61,653	14,132	1,860	488,542	75,051	4,330	+14·5	......	......	......
			Net increase	...	58,449	Net increase	...	12,272	Net increase	...	70,721				

Calcutta,
The 18th September 1888.

G. A. G. Shawe,
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No. II.—Annual Statement.

GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS OF THE YEAR 1887-88.

Statement in acres of crops irrigated in Canal Districts.

Nature of Crops.		Cuttack.	Balasore.	Midnapore.	Hooghly.	Gya.	Patna.	Shahabad.	Sarun.	Total.
Garden and orchards ...	...	48	10	...	......	...	2	9	......	69
Sugarcane ...	...	158	184	......	......	3,083	1,584	15,931	......	20,940
Cereals ...	Wheat ...	......	......	......	......	1,201	243	22,418	......	23,862
	Barley ...	......	......	...	......	825	1,280	4,490	......	6,595
	Rice ..	89,088	9,618	64,885	547	26,052	23,635	171,241	5,050	390,116
	Miscellaneous ...	186	24	....	......	189	190	23,094	1,750	25,433
Pulse ...	Gram, &c. ...	......	......		......	668	36	112	......	816
	Miscellaneous ...	......	......	......	......	628	337	3,289	......	4,254
Fodder crops ...	Grass, lucerne ...	......	......	......	..	......	......	......	......	......
Fibres ...	Cotton ...	188	......	......	......	......	......	......	......	188
Dyes ...	Indigo ...	57	......	......	......	......	......	......	......	57
	Turmeric, &c. ...	38	......	......	......	......	......	3	......	41
Drugs ...	Opium ...	......	......	......	......	557	638	878	443	2016
	Tobacco, &c. ...	......	......	......	......	......	......	......	......	......
Oilseeds ...	Mustard, &c. ...	......	......	......	......	29	......	74	......	103
	Castor ...	4	......	......	......	......	......	5	......	9
Miscellaneous ...	...	......	......	......	......	......	......	9	121	130
Hot-weather ...	...	......	......	......	......	24	......	18,889	......	18,913
Total, 1887-88	...	89,767	9,836	64,885	547	33,256	27,945	254,942	7,364	488,542
Total, 1886-87	...	71,218	6,491	68,914	848	30,222	17,157	220,825	2,146	417,821

Calcutta,
The 18th September 1888

G. A. G. Shawe,
Under-Secy. to the Govt. of Bengal, P. W. D.

No. III.—Annual Statement.

GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS OF THE YEAR 1887-88.

Statement in acres of crops irrigated by Canals in Canal Divisions.

Nature of Crops.		Taldunda Canal.	Kendrapara Canal.	High Level Canal, Range I.	High Level Canal, Range II.	High Level Canal, Range III.	Midnapore Canal.	Patna Canal.	Arrah Canal.	Buxar Canal.	Sarun Canal.	Total.	Remarks.
		Mahanuddy.	Brahminee-Byturnee.		Arquapadda-Jajepore.		Cossye.	Eastern Sone.	Arrah.	Buxar.	Gunduck.		
Garden and orchards ...	...	35	13		10		......	2	......	9	......	69	
Sugarcane ...	...	120	38		184		......	4,667	13,610	2,321	......	20,940	
Cereals ...	Wheat ...	......	......		......		......	1,444	3,749	18,669	......	23,862	
	Barley ...	......	......		......		......	2,105	3,194	1,296	......	6,595	
	Rice ...	26,628	60,944		11,134		65,432	49,687	97,124	74,117	5,050	390,116	
	Miscellaneous ...	42	144		24		......	379	13,441	9,653	1,750	25,433	
Pulse ...	Gram, &c. ...	......	......		......		......	704	53	59	......	816	
	Miscellaneous ...	......	......		......		......	965	1,218	2,071	......	4,254	
Fodder crops	Grass, Incerne ...	......	......		......		......	......	......	......	......	......	
Fibres ...	Cotton ...	22	166		......		......	......	......	......	......	188	
Dyes ...	Indigo ...	......	57		......		......	......	......	......	......	57	
	Turmeric, &c. ...	......	38		......		......	......	......	3	......	41	
Drugs ...	Opium ...	......	......		......		......	1,195	320	58	443	2,016	
	Tobacco, &c. ...	......	......		......		......	......	......	......	......	......	
Oilseeds ...	Mustard, &c. ...	......	......		......		......	29	9	65	......	103	
	Castor ...	......	4		......		......	......	......	5	......	9	
Miscellaneous ...	...	......	......		......		......	......	......	9	121	130	
Hot-weather ...	...	......	......		......		......	24	9,840	4,049	......	13,913	
Total, 1887-88 ...		26,847	61,404		11,352		65,432	61,201	142,558	112,384	7,364	488,542	
Total, 1886-87 ...		18,685	52,126		6,898		69,762	47,379	140,747	80,078	2,146	417,821	

Calcutta,
The 18th September 1888.

G. A. G. Shawe,
Under-Secy. to the Govt. of Bengal, P. W. D.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 15th September 1888.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*		
BURDWAN DIVN.	1	Burdwan Sept. 15, '88	4·13	Weather—bright and excessively hot. All good, except in the flooded tracts, the extent of which is under enquiry. It is estimated at 150 square miles. Prices rising. Common rice now 13 seers per rupee.
		Culna ...	2·77	
		Cutwa ...	2·84	
		Raniigunge ...	0·56	
	2	Bankoora „ 15, '88	0·17	Weather—hot. A break in the rains. Weeding of *amun* proceeds. *Aus* ripening. Damage has been done to this crop by floods in the low-lying tracts in Sonamookhi.
	3	Birbhum „ 15, '88	1·21	Weather—seasonable; generally fine with occasional showers. Prospects of rice very good.
		Rampur Haut ..	10·96	
	4	Midnapur „ 15, '88	1·34	There has been a break in the rains with a hot sun. Further reports from Contai show a heavy loss in pergunnahs Patashpur and Bhagwanpur, and considerable damage in Contai and Egra thanas. In Head-quarters part of Sabang thanna has lost all crops.
	5	Hugli „ 15, '88	2·78	Weather—seasonable. Prospects of crops good except on flooded lands, some of which are being re-transplanted.
		Serampur	3·52	
		Jehanabad	4·35	
		Howrah „ 17, '88	1·89	Weather—seasonable. Prospects of crops fair. Some damage to paddy from floods. Jute and sugarcane suffered slightly.
		Ooloobberiah ..	0·97	
		Central Districts		
PRESIDENCY DIVN.	6	24-Perghs. Sept. 18 '88	2·56	Weather—seasonable. State of crops fair in all sub-divisions, with the exception of those in low lands and in Diamond Harbour. Harvesting of *aus* continues. Transplantation of *amun* almost completed.
	7	Nuddea „ 15, '88	1·68	Weather—hot. *Aus* harvest continues; outturn estimated at ten annas in Meherpur and six annas in Sudder. *Amun* doing fairly in south; not well in north. Flood water subsiding.
		Kushtea ...	0·92	
		Meherpur ...	2·89	
		Chooadanga ...	1·65	
		Ranaghat ...	3·12	
	8	Khoolna „ 15, '88	0·54	Weather—hot with occasional showers. Prospects of crops generally good.
	9	Jessore „ 15, '88	0·65	Weather—hot and cloudy. *Aus* has suffered from floods. Harvesting nearly over. *Amun* doing well. Jute-cutting still going on.
		Jhenidah ..	0·84	
		Magoora .	2·78	
		Narail ...	0·26	
		Bongong ..	1·04	
	10	Moorshedabad „ 15, '88	1·80	Weather—clear and hot. Wind from the east. Prospects of *amun* paddy not bad. Reaping of *bhadoi* over in Sudder, but continues in sub-divisions. Bhagirathi subsiding.
		Lalbagh ...	1·79	
		Kandi .	2·50	
		Jangipur .	4·96	
RAJSHAHYE DIVN.	11	Dinagepur „ 15, '88	1·89	Weather—strong sun with occasional showers. Transplantation finished and present prospects favourable.
		Thakurgaon ...	2·77	
	12	Rajshahye „ 15, '88	1·85	Weather—extremely hot. Condition of *amun* and other crops generally good. Harvesting of *aus* and jute nearly completed. More rain wanted in portions of Nowgong sub-division.
		Nattore ...	6·65	
	13	Rungpur „ 15, '88	3·44	Weather—hot. Copious rain during the week has benefited the *amun* crop. Harvesting of *aus* nearly finished. Jute is still being cut and steeped.
		Nilphamari ...	3·03	
		Khrigram ...	7·09	
		Gaibandha ...	1·89	
	14	Bogra „ 15, '88	2·54	Slight rain all through the week. Prospects of all standing crops good.
		Sherpur ...	2·51	
		Naukhila .	2·61	
	15	Pubna „ 15, '88	0·92	Weather—warm. Prospects of crops good.
		Serajgunge ..	0·57	
	16	Darjeeling „ 15, '88	4·97	Weather—fine and warm. *Bhadoi* rice in Silliguri is below average owing to scanty rain. Rain is needed for *amun*. Hill crops are doing well.
	17	Julpigoree „ 15, '88	3·92	Weather—very hot for the time of year. In the Head-quarters sub-division transplantation of *haimanti* going on, but in the Alipore sub-division stopped for want of rain. Prospects look gloomy in Alipore. Jute is being cut, but there is very little water for steeping the crop. Price of rice remains unchanged.
		Eastern Districts.		
DACCA DIVN.	18	Dacca Sept. 15, '88	...	Weather—mostly cloudy and hot. Harvesting of *aus* paddy and jute going on. *Amun* paddy and sugarcane thriving. Prospects of crops good. Rivers falling.
		Manickgunge ...	1·3	
		Narainganje ...	2·72	
	19	Furreedpur „ 15, '88	3·83	Weather—seasonable. Condition and prospects of all crops good.
		Goalundo ...	0·37	
	20	Backergunge „ 13, '88	1·39	Weather—seasonable. Prospects of crops fair. *Aus* and *amun* have suffered from floods, especially in Bhola and parts of Patuakhali.
	21	Mymensingh „ 14, '88	6·60	Heavy rain on the 11th and 12th. Weather fair. Prospects of crops good.
		Jamalpur ...	2·68	
		Kishoregunge ...	4·97	
		Attia ...	0·88	
		Netrokona ...	2·49	

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Eastern Districts—concld.		
CHITTAGONG DIVN.	22	Chittagong Sept. 18, '88	3·22	Weather—seasonable. *Aus* is being harvested. Prospects of *amun* fair. Prices unchanged.
	23	Noakholly „ 14, '88	1·27	Weather—warm and sultry. Reaping of *aus* finished. Transplantation of *amun* going on. Prospects very fair.
		Fenny ...	7·89	
	24	Tipperah „ 13, '88	2·57	Weather—seasonable, but very close at times. Prospects of *amun* very good, its present condition being everything that could be desired.
		Brahmanbarish	4·60	
		Chandpur ...	2·48	
	25	Chittagong Hill Tracts. „ 11, '88	2·49	Weather—hot with occasional showers of rain, except on the 9th and 10th. Harvesting of *jum* paddy continues. Transplanting of late rice in low lands nearly over. Prospect not good.
		Hill Tipperah „ 12, '88	3·17	Weather—rainy. Prospects of crops favourable.
BEHAR.				
PATNA DIVN.	26	Patna „ 15, '88	0·24	Weather—hot and clear. Prospects of the rice crop on the high lands in the Behar sub-division are on the whole favourable, but the rice on the low lands has been washed away throughout the district. Prices of food-grains are still high in the Behar sub-division owing to the absence of any means of communication.
		Behar ...	1·71	
		Dinapur ...	0·68	
	27	Gya „ 18, '88	0·51	*Marua* and *makai* are being harvested. Paddy coming on well, though injured in places by heavy rainfall and flood.
	28	Shahabad „ 15, '88	0·83	Weather—clear and cloudy alternately. Harvesting of *bhadoi* crops continues; these crops in low lands have suffered considerably on account of excessive rain. Prospects of paddy are hopeful. Prices have a tendency to rise.
		Sasseram ...	3·46	
		Bhabuah ...	5·00	
	29	Durbhunga „ 15, '88	0·90	Weather—seasonable. *Bhadoi* crops are being harvested. Prospects of rice continue favourable. Price of common rice averages 16 seers per rupee.
	30	Mozufferpur „ 15, '88	1·10	Weather—clear. Prospects of crops favourable throughout the district, but rain is much wanted in northern part of the district for paddy. Maize and millet being harvested.
		Sitamarhi ...	0·68	
		Hajipur ...	2·01	
	31	Sarun „ 15, '88	1·60	Weather—rainy. Transplantation of paddy almost completed. Prospects favourable. *Bhadoi* on low lands damaged to some extent by heavy rain.
		Sewan ...	9·92	
		Gopalgunge ...	5·63	
	32	Chumparun „ 15, '88	4·10	Weather—hot with bright sunshine. Transplantation of paddy still going on in parts of the Bettiah sub-division. More rain is needed in some parts of the district. Maize and millet being harvested. Common rice selling at 17 seers per rupee.
		Bettiah ..	5·47	
BHAGULPORE DIVN.	33	Monghyr „ 15, '88	3·57	Weather—bright and sultry. A break in the rains. Prospects of winter continue favourable. *Bhadoi* being reaped with fair outturn, except parts of Beguserai, where it has been absolutely destroyed.
		Beguserai ...	4·38	
		Jamui ...	1·11	
	34	Bhagulpur „ 15, '88	8·45	Weather—much warmer. Prospects of crops good.
		Banka ...	1·89	
		Mudehpura ...	2·29	
		Soopole ...	1·11	
	35	Purneah „ 15, '88	1·06	Weather—bright and hot. More rain wanted for transplanting *aghani* on high ground.
		Kishengunge ...	2·14	
		Arrareah ..	2·67	
	36	Maldah „ 15, '88	2·68	Weather—clear and bright. *Bhadoi* paddy is still being reaped; 8 annas outturn expected. Winter paddy is doing well at present.
		Chanchal ...	3·34	
		Shibgunge ...	8·67	
		Gajol ...	3·21	
	37	Sonthal Perghs. „ 14, '88	1·19	Weather—sunshine with occasional showers. Prospects of *aghani* crops good. *Jasera* has suffered from the recent heavy rain.
		Deoghur ...	2·07	
		Godda ...	3·16	
		Jumtara ...	4·45	
		Pakoor ...	3·93	
		Rajmehal ...	0·99	
ORISSA.				
ORISSA DIVN.	38	Cuttack „ ...	3·77	Report not received.
	39	Pooree „ 13, '88	1·38	Weather—seasonable. Transplanting and weeding of the winter crop (*sarad*) are going on. Early rice (*beali*) and *mandia* are being harvested. Miscellaneous crops of the season are doing well. Common rice 19 seers 6 chittacks per rupee in the Sudder sub-division and 17 seers 6 chittacks in the Koordah sub-division.
		Khoordah ...	1·12	
	40	Balasore „ 14, '88	0·88	Weather—warm and cloudy. *Beali* rice being harvested in Bhudruck sub-division. Much damage caused by floods in low lands; elsewhere crops promise well.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
CHOTA NAGPORE DIVN.	41	Hazaribagh Sept. 14, '88	3·25	Weather—seasonable. Moderate rain. Indian-corn has yielded from 8 to 12 annas. *Goondli* is being cut in places. Prospects of winter rice very good.
	42	Lohardugga „ 15, '88	2·55	Weather—seasonable. Rain throughout the week. Early paddy has reached its maturity at head-quarters. Winter paddy is good all over the district. Prices as before.
		Palamow ...	4·55	
	43	Singbhoom „ 14, '88	2·00	A break in the rains. Indian-corn has suffered somewhat from the recent very constant rainfall; other *bhadoi* crops yielding fair outturn. Winter rice flourishing. No cattle-disease.
	44	Manbhoom „ 15, '88	1·41	Weather—alternate sunshine and rain; the former prevailing. Prospects of *jonar* have improved, and an average of 12-anna crop throughout the district is expected. Other *bhadoi* crops are rather better. Rice and sugarcane are doing well. Ploughing for the spring crops has begun.
		Govindpur ...	2·21	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 18th September 1888.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipcre Observatory from 9th to 15th September 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Sept.	9th	148·1	7·8	29 726	84·1	86·9	8·2	78·7	80·4	0·993	79 0	85	S by W and SSW	81	Nil	Chiefly cloudy, ⌓.
,,	10th	91 5	Nil	·752	81·1	82·6	2·6	80·0	78·8	·957	77·9	90	SSW, calm and variable.	40	0·25	Cloudy, o, g, t, p <, ⌓.
,,	11th	152·2	0·4	·767	82·6	87·5	10·0	77·5	79·8	·983	78·7	88	ESE and calm	35	Nil	Chiefly cloudy, o, g, t ⌓.
,,	12th	151·5	6·7	·754	83·0	88·5	11 7	76 8	79 1	·945	77·5	84	SSW and variable	35	0 27	Chiefly cloudy, o, g, d, p, t, <, ⌓.
,,	13th	147·5	4 1	·716	81·7	86 2	9·0	77·2	79·1	·960	78·0	89	NNE and calm	17	1·96	Chiefly cloudy, o, p, t, d.
,,	14th	149·6	8·2	·649	84·2	91·0	12·3	78·7	80·9	1·011	79 6	87	NNE and calm	41	Nil	Chiefly cloudy, o, ==, ⌓.
,,	15th	148·4	5 3	·609	83 9	91 3	10 6	80·7	80·3	0·988	78·9	85	E, ENE and calm	150	0·23	Chiefly cloudy, o, g, p, d, t.

	Inches.
The mean pressure of the seven days	29·710
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·660
	Hours.
The total number of hours of bright sunshine	32·5
The maximum possible number of hours of sunshine	86 2
	°
The mean temperature of the seven days	82 9
The average temperature of the corresponding period for 24 years, S. G.'s Office	83·3
The extreme variation of temperature	14·5
The maximum temperature	91·3
	Miles.
The highest velocity of the wind in one hour	17
	lbs.
The highest pressure of wind on one square foot	4
	%
The mean relative humidity	87
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	86
	Inches.
The total fall of rain from 9th to 15th September 1888	2·71
The average fall of the corresponding period for 24 years, S. G.'s Office ...	2·63
The total fall from 1st January to 15th September 1888	60·47
The average fall of the corresponding period for 24 years, S. G.'s Office ...	54·14

The mean pressure, temperature, &c, are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, t thunder, p passing temporary showers, d drizzling rain, < lighting, ⌓ dew, == fog.

A. Pedler,

for Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 17th September 1888.

Meteorological Report of the Province of Bengal

STATION OBSERVATIONS.

Meteorological Division.	District.	Representative station.	Air pressure: Mean barometric height, 10 A.M.	Air pressure: Mean reduced to sea-level.	Air pressure: Variation from mean.	Wind: Prevailing direction.	Wind: Mean wind velocity.	Temperature: Highest during week.	Temperature: Date.	Temperature: Lowest during week.	Temperature: Date.	Temperature: Mean maximum temperature.	Temperature: Mean minimum temperature of week.	Temperature: Mean daily temperature of week.	Temperature: Variation from normal mean of week.	Temperature: Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree	29·701	29·803	—	South-westerly.	216·0	90·7	12th Sept.	?	?	89·9	?	?	—	84·5
		Gopalpore	29·746	29·796	+·072	S	207·0	89·7	14th ”	80·8	11th, 13th Sept.	89·0	81·7	85·8	+1·5	88·0
		False Point	29·787	29·808	+·060	S	207·0	90·5	13th ”	76·6	14th ”	88·7	79·1	83·9	+0·6	87·2
	Cuttack	Cuttack	29·723	29·804	+·005	SSW	41·0	92·4	12th, 14th Sept.	78·4	11th, 13th Sept.	90·9	79·5	85·2	+1·5	86·1
	Balasore	Balasore	29·750	29·808	+·093	Calm Westerly	105·9	89·4	10th, 11th, & 14th Sept.	77·7	8th, 13th Sept.	88·5	78·7	83·6	+1·4	86·1
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·788	29·814	+·069	S	274·0	90·2	13th ”	78·5	13th ”	89·0	80·6	84·8	+1·7	86·0
	Midnapore	Midnapore	29·676	29·826	+·096	S	69·5	91·3	14th ”	75·3	11th ”	89·0	78·1	83·6	+0·1	86·9
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·789	29·810	+·067	V	48·0	88·5	13th ”	76·7	12th ”	86·6	78·1	82·3	−0·4	84·3
	Burdwan	Burdwan	29·706	29·806	+·062	Calm	42·9	90·6	10th, 11th Sept.	74·4	12th ”	89·3	77·6	83·5	−0·3	82·7
	Bankoora	Bankoora	29·499	—	—	Southerly	121·0	91·1	10th ”	76·1	12th ”	88·7	77·8	83·2	—	83·6
	Beerbhoom, West Burdwan	Raneegunge	29·476	29·784	+·093	Southerly	58·5	89·5	10th, 12th Sept.	76·8	11th, 12th Sept.	88·6	77·7	83·2	−0·1	83·5
	Moorshedabad	Berhampore	29·747	29·815	+·068	V	68·9	89·6	10th, 14th Sept.	72·3	10th ”	87·5	77·4	82·4	−1·8	84·2
	Nuddea	Krishnaghur	29·772	29·838	+·113	V	84·4	88·8	10th, 14th Sept.	74·3	10th ”	87·6	77·0	82·3	−0·8	83·8
	Jessore, Khoolna	Jessore	29·789	29·822	+·065	V	56·7	91·2	10th, 12th Sept.	77·9	9th ”	89·1	79·3	84·2	+0·6	86·2
East Bengal.	Chittagong	Chittagong	29·746	29·835	+·040	NE	55·0	91·7	14th ”	74·0	12th ”	87·8	76·9	82·4	+0·8	84·8
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29·813	29·825	+·084	Calm	40·5	92·3	14th ”	77·8	8th, 12th Sept.	88·3	78·9	83·6	+1·6	85·9
	Noakholly	Noakholly	29·789	29·833	—	Calm	41·0	89·5	14th ”	76·3	12th ”	87·2	78·0	82·6	—	84·4
	Furreedpore	Furreedpore	29·796	29·836	+·088	S	51·0	89·0	14th ”	74·4	12th ”	87·4	78·8	83·1	+0·7	84·1
	Dacca	Dacca	29·803	29·825	+·072	SSE	53·0	91·1	14th ”	76·2	8th, 10th Sept.	88·2	77·7	83·0	−0·5	84·0
	Commillah	Commillah	29·791	29·826	+·063	S	49·1	91·3*	14th ”	76·7	12th ”	88·1*	77·8*	83·0*	+1·1*	84·8
	Mymensingh	Mymensingh	29·771	29·829	+·086	Calm	58·6	89·8	14th ”	75·6	9th ”	86·7	77·0	81·9	−0·7	82·8
North Bengal.	Bogra	Bogra	29·739	29·802	—	Calm	41·6	90·3	12th, 14th Sept.	73·8	10th ”	88·7	76·6	82·6	—	83·6
	Pubna	Serajgunge	29·771	29·818	+·076	SSE	47·5	91·1	14th ”	75·7	10th ”	87·5	78·1*	82·8*	−0·2*	84·2
	Rajshahye	Rampore Beauleah	29·746	29·817	+·108	Easterly	78·3	91·3	14th ”	73·6	10th ”	87·2	77·3	82·3	−0·2	84·3
	Maldah	Maldah	29·721	—	—	SE	88·0	90·8	11th ”	75·9	9th, 11th Sept.	89·5	77·5	83·5	—	44·2
	Dinagepore	Dinagepore	29·692	29·813	+·096	East.	70·0	90·12	12th ”	75·6	10th ”	87·7	77·4	82·5	−1·0	82·5
	Rungpore	Rungpore	29·681	29·806	+·048	Easterly	61·0	90·8	12th, 14th Sept.	75·2	9th ”	87·5	76·6	82·1	−0·8	83·3
	Julpigoree, Cooch Behar	Julpigoree	29·537	29·825	+·073	East.	108·2	92·0	11th ”	73·8	12th ”	88·8	75·1	82·0	−0·2	84·8
	Darjeeling Hill Tracts	Darjeeling	23·032	—	+·016	Southerly	81·9	66·1	8th ”	53·0	12th ”	63·7	55·2	59·4	−1·1	61·9
North Behar.	Purneah, North Bhagulpore	Purneah	29·692	29·819	+·081	ESE	41·3	90·7	12th ”	72·6	10th ”	88·6	75·0	81·8	−2·1	84·2
	Mozufferpore	Mozufferpore	Observations not received.													
	Durbhunga	Durbhunga	29·640	29·807	+·093	ESE		88·4	14th ”	77·8	8th ”	87·3	78·8	83·1	−0·8	84·6
	Chumparun	Motihari	29·[illegible]59	29·787	+·084	ESE	163·6	91·2	13th ”	73·3	10th ”	89·5	76·0	82·8	−0·8	85·7
	Sarun	Chupra	29·588	29·784	+·078	E	123·1	86·5	8th, 9th Sept.	76·0	9th ”	84·7	78·2	81·5	−2·7	84·4
South Behar.	Shahabad	Dehree	29·422	29·778	+·052	SE	179·9	91·3	10th ”	78·0	8th, 10th Sept.	89·4	78·5	84·0	+1·4	84·3
		Buxar	29·550	29·703	+·070	S & E	142·4	90·4	13th ”	75·8	8th, 9th Sept.	88·3	77·1	82·7	−1·4	84·0
		Arrah	29·584	29·782	+·081	SE	60·3	91·4	10th ”	76·6	11th ”	89·6	77·8	83·7	−0·6	84·6
	Gya	Gya	29·391	29·769	+·038	V	53·6	91·9	11th, 14th Sept.	75·3	13th ”	90·4	77·1	83·8	+0·7	84·6
	Patna	Bankipore	29·608	29·792	+·059	ESE	124·9	89·4	8th, 9th, 14th Sept.	77·3	10th ”	88·5	79·1	83·8	−1·2	85·5
	South Bhagulpore, Monghyr	Bhagulpore	29·649	29·811	+·096	ESE	50·0	89·2	12th, 14th Sept.	73·5	9th ”	87·8	76·9	82·3	+1·3	84·8
	Sonthal Pergunnahs	Doomka	29·302	......	......	SE	70·3	88·6	14th ”	74·5	10th ”	86·9	76·2	81·6	—	82·7
Chota Nagpore.	Hazaribagh	Hazaribagh	27·700	29·791	+·054	Southerly	170·2	85·4	11th ”	71·7	14th ”	83·0	72·4	77·7	−0·8	79·7
	Lohardugga, Manbhoom	Ranchee	27·673	29·791	+·076	C	97·5	85·0	11th, 12th & 13th Sept.	70·9	14th ”	83·4	71·8	77·6	+0·4	79·1
	Singbhoom	Chyebassa	29·026	......	......	SSE	18·2	91·4	9th ”	75·7	12th ”	88·7	76·8	82·8	—	84·7
Assam.	......	Sibsagar	29·548	29·888	+·073	NE	55·0	90·1	10th ”	74·0	13th ”	88·2	76·1	83·1	−0·7	82·0
	......	Dhubri	29·719	29·837	+·082	ENE	142·6	88·7	8th & 11th Sept.	75·8	9th & 10th	86·4	77·8	81·9	−0·9	82·0
	......	Silchar	29·740	29·846	+·043	C	38·0	94·5	14th ”	75·3	8th ”	89·6	76·2	82·9	+0·2	82·9

[illegible]—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last [illegible] years [illegible] of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbe[r] [illegible] or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past [illegible] [illegible] in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 14th of September 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
82	7·3	0·08		3·07		5 17			39·55			4·2	Pooree ...	Pooree	ORISSA.
78	1·4	Nil	—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
75	6·1	Nil	—	—	—	—	—	—	—	—	—	—	False Point ...		
76	6·9	0·97		2·42		4·86			39·73			4·0	Cuttack ...	Cuttack	
80	5·4	0·81		2·58		5 14			40 30			3·8	Balasore ..	Balasore	
81	7·3	0·48	1·01	2·73	2·72	6·40	—3·68	45·66	48·23	—2·57	3·0	4·3	Saugor Island ...	South-West Midnapore; South 24-Pergunnahs	SOUTH-WEST BENGAL.
77	3 3	1·40	1 33	1·80	4·98	4 22	+0·76	54·34	42·40	+11·04	2·0	3·5	Midnapore ...	Midnapore	
81	7·7	2·57	2·05	1·98	4 59	4·79	—0·20	55·25	42·65	+12·60	3·3	3·9	Calcutta ...	24-Pergunnahs... ...; Howrah ... ...; Hooghly	
82	8·0	4·13	3 31	2·17	4·84	4 27	+0·56	50·70	38·45	+12·25	2·7	3 6	Burdwan ...	Burdwan	
83	6·1	0·25	0·81	1·93	3·01	4 43	—1·42	47·55	43·70	+3·85	2·5	3 8	Bankoora ...	Bankoora	
82	6 7	0 64	3·02	2·46	5·23	5 61	—0·39	52·28	43 15	+9·13	4 5	3·7	Raneegunge ...	Beerbhoom ... ...; West Burdwan ...	
83	8·3	1·92	2 83	2 71	4·69	5 73	—1·04	41 13	40·80	+0·33	3 0	3 8	Berhampore ...	Moorshedabad	
81	7·4	1·66	1 79	2 33	3·27	4·65	—1 38	47·02	40·14	+6·88	3·2	3·4	Krishnaghur ...	Nuddea	
82	7·9	0·68	0 88	2·36	2·50	4·91	—2·41	38·50	43 64	—5·14	2·8	3·5	Jessore ...	Jessore ... ...; Khoolna	
83	5·6	2·98		3·46		8·60			98·01			4·4	Chittagong ...	Chittagong	
				2 84		6·11			64 23			4·8	Demagiri ...	Chittagong Hill Tracts	EAST BENGAL.
82	5·9	0·72	0 94	2 63	4·21	6 10	—1·89	61 04	62·97	—1·93	2 0	4·1	Barrisal ...	Backergunge	
82	7·1	0 76	4·15	3 90	6·38	9·17	— 2 79	87·16	89·18	—2·02	5·0	4·7	Noakholly ...	Noakholly	
83	4·0	3 99	2 26	2 05	4·52	4 61	—0·09	41·62	43·45	—1·83	2·3	3·3	Furreedpore ...	Furreedpore	
83	6·9	2·16	2·12	2·56	4·99	5·99	—1·00	51 08	49·55	+1 53	3·5	3·6	Dacca ...	Dacca	
81	3 7	2 38	2 31	2 77	4 37	6 19	—1·82	53·40	57 11	—3·71	3·8	3 6	Commillah ...	Commillah	
84	7·0	7·05	2 76	2 88	5 46	6·14	—0·68	58·32	54 14	+4·18	3·2	3·5	Mymensingh ...	Mymensingh	
83	6·1	2 62	2 70	2 27	4·03	4 98	—0 95	40·21	46·56	—6·35	3 5	3 1	Bogra ...	Bogra	
83	5·8	0 51	0 74	2 83	1·80	5 73	—3·93	37 59	43 26	—5·67	2·5	3·2	Serajgunge ...	Pubna	NORTH BENGAL.
82	5·6	1·91	4 08	2·68	5·32	6 13	—0 81	30 82	48 29	—6·47	3 5	3·1	Rampore Beauleah	Rajshahye	
82	3·0	2·68	2·31	3 50	4·56	6·68	—2·12	36·25	45 38	—0·13	2·5	3·3	Maldah ...	Maldah	
83	7·0	1·93	1 67	3·28	3 77	6·61	—2 84	42·10	48 36	—6·26	2 8	3·4	Dinagepore ...	Dinagepore	
83	3·7	3 44	3·05	3·26	4·20	7·14	—2·94	50 46	61·90	—11·44	3 5	3·3	Rungpore ...	Rungpore	
85	[illegible]	3 71	2·29	4·05	4·13	10·87	—6·74	79·87	93 83	—13 96	3·4	4·0	Julpigoree ...	Julpigoree ... ...; Cooch Behar	
91	9·4	5·09		4·37		9·90			104 90			4·7	Darjeeling ...	Darjeeling Hill Tracts	
85	5·3	1·06	1·64	4·03	4·24	7·32	—3·08	44·71	49 32	—4·61	4·0	3·2	Purneah ...	Purneah ... ...; North Bhagulpore ...	NORTH BEHAR.
			1 08	1·69	2·45	4 43	—1·98	37·89	34 71	+3·18	3·0	2·8	Mozufferpore ...	Mozufferpore	
81	6·1	0 90	1·23	2 04	4·08	5·17	—1·09	37·29	36 91	+0·38	3·7	3 7	Durbhunga ...	Durbhunga	
76	8·1	4·03	4·78	1·54	6·07	4·31	+2 36	39·81	37·36	+2·45	3·0	2·4	Motihari ...	Chumparun	
83	6·0	1·83	5·69	1·78	7 13	3 70	+3·43	36·07	33·83	+2·24	5·3	2·6	Chupra ...	Sarun	
83	4·1	1·51											Dehree ...	Shahabad	SOUTH BEHAR.
82	6·6	4·50	2·36	1·92	7·01	3 85	+3·16	40·18	33·16	+8 02	3·2	2 7	Buxar ...		
82	6·1	0·94											Arrah ...		
76	6 0	1·28	1·83	2·09	5·60	3·98	+1·62	47·88	34·83	+13·05	3·5	2·5	Gya ...	Gya	
80	8·7	0·24	0·86	1·17	3·89	3·84	+0·05	44 74	33·94	+10·80	3 0	2·6	Bankipore ...	Patna	
77	2·7	3·68	2,51	2·25	5·32	4·86	+0·46	45 92	36 08	+9·84	4·9	2 8	Bhagulpore ...	South Bhagulpore ...; Monghyr	
83	4·3	1·26	2·23	2 70	4 20	5·68	—1·48	48·51	41·84	+6 67	3·7	3·4	Doomka ...	Sonthal Pergunnahs...	
82	10·0	1·58		2·47		5·12			41·94			3 8	Hazaribagh ...	Hazaribagh	CHOTA NAGPORE.
81	9·3	2·55	2·09	2 49	6·30	5 34	+0·96	48·03	40·86	+7·17	4·7	3 7	Ranchi ...	Lohardugga	
78	7·1	1·15	1·25	2·56	5·31	4·38	+0·93	45·15	39·39	+5·76	5·0	3·6	Ranchi ...	Manbhoom	
			0·62	2·63	2·83	5·06	—2·23	37·25	44·03	—6·78	2·0	4 2	Chyebassa ...	Singbhoom	
87	8·0	2·36											Sibsagar	......	ASSAM.
85	7·1	6·30											Dhubri	......	
80	8·3	3·27											Silchar	......	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. ... denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means ... years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional ...

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 14th of September 1888

Meteorological division.	District.	Station.	Rainfall. Saturday, 8th September.	Sunday, 9th September.	Monday, 10th September.	Tuesday, 11th September.	Wednesday, 12th September.	Thursday, 13th September.	Friday, 14th September.	Total. Number of rainy days.	Rainfall of week.	Total rain fall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	...	...	...	...	...	0·39	...	1	0·39	1·84	5·16	26·01	34·39
		Khurdah ...	...	0·32	0·10	0·09	0·49						5·71		42·56
		Banpur ...	0·23	...	1·09								5·06		36·09
		False Point ...	...	...	...	...	...	...	...	Nil	Nil	1·56	5·96	40·52	45·12
		Gop ...											?	51·70	?
		Pipli ..	...	0·20	0·22								?		?
	Cuttack ..	Jagatsingpore											3·59		33·40
		Banki ...	...	0·14	...	...	1·05	0·09					6·51		40·50
		Cuttack ...	...	0·07	0·28	0·35	0·20						5·38		44·21
		Kendrapara ...	...	...	...	...	...	...	...	Nil	Nil	1·28	4·14	38·59	39·84
		Jajpore ...	...	...	2·40	1·72	...	...	...	2	4·12	6·11	4·67	51·70	41·93
		Dharmsala ..	...	...	...	1·15							?		?
		Salipore ...	...	0·80									?		?
	Balasore ...	Chandbali ...											4·43		37·52
		Bhuddruck ...	...	0·18	0·45	...	0·15						4·85		39·58
		Sorah ...	0·31	...	0·70	...	0·39	...	0·03	4	1·43	4·39	5·21	39·81	38·44
		Balasore ..	...	0·24	0·20		0·30	...	...	3	0·74	5·89	5·70	43·54	43·40
		Jellasore ..	...	...	0·05		...	0·36	...	2	0·41	4·00	5·57	49·31	42·24
		Baripodah ...	...	...	0·34		...	...	0·08	2	1·02	2·95	5·07	45·31	41·69
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	0·19	...	0·39	...	0·37	...	...	3	0·95	2·20	6·46	48·91	46·77
		Saugor Island	...	0·39	...	0·02	...	0·07	...	3	0·48	2·15	6·27	45·37	50·37
		Tumlook ..	0·10	...	...	...	...	...	...	1	0·10	7·60	[illegible]	58·60	42·07
		Midnapore ...	...	...	1·34	...	...	...	...	1	1·34	3·08	3·77	55·02	39·51
		Ghuttal ...	0·05	...	1·51	...	0·90	0·09	...	4	2·55	4·25	4·24	48·48	45·54
		Kukrahaty ..	0·20	...	1·73	0·62	0·53	...	...	4	3·08	5·30	?	57·35	?
		Heria ...	...	...	1·11	0·74	0·51	...	...	3	2·36	4·76	?	45·00	?
		Bhagwanpore	0·25	...	0·10	0·58	...	...	...	3	0·93	5·47	?	42·30	?
		Garbeta ...	0·07	...	...	0·62	...	...	...	2	0·69	3·91	?	61·09	?
	24-Pergunnahs	Diamond Harbour ...	0·28	0·48	0·83	...	...	...		3	1·59	3·50	6·48	47·69	47·54
		Canning Town	...	0·11	1·71	0·88	...	0·02	...	4	2·75	3·88	?	49·81	?
		Alipore Jail ..	0·08	...	0·15	...	0·33	1·75	...	4	2·31	6·03	5·81	52·42	45·72
		Barrackpore...	...	0·40	0·31	0·32	...	0·55	..	4	1·58	4·04	3·04	54·07	41·01
		Dum-Dum ...	0·04	...	1·10	...	0·89	0·06	...	4	2·09	4·34	5·33	56·33	42·76
		Baraset ...	...	...	2·01	...	0·09	0·06	...	3	2·16	5·39	5·05	57·79	40·41
		Buseerhat ...	0·72	...	...	...	...	...	...	1	0·72	2·58	4·09	45·91	45·25
	Howrah ...	Howrah ...	0·17	...	0·76	...	0·35	0·42	...	4	1·70	6·02	5·33	57·14	42·57
		Mohesreka (*Ooloberiah.*) ...	0·04	...	0·79	...	...	0·11	...	3	0·94	2·31	4·46	53·91	43·17
	Hooghly ...	Serampore ...	...	...	1·48	0·80	...	0·61	...	3	2·89	4·80	4·32	57·50	41·37
		Hooghly ...	...	...	1·51	0·20	...	1·07	...	3	2·78	4·18	4·11	59·39	40·05
		Jehanabad ...	0·73	...	0·95	...	1·64	0·02	...	4	3·34	5·95	4·53	57·84	45·21
	Burdwan ...	Culna ...	...	...	2·70	...	...	...	...	1	2·70	3·46	3·59	54·77	36·21
		Burdwan ...	...	...	0·63	...	2·20	1·30	...	3	4·13	6·53	4·63	40·79	39·64
		Cutwa ...	0·25	...	2·40	...	0·29	0·15	...	4	3·09	4·70	4·59	56·54	39·17
		Raneegunge ...	0·03	0·23	0·03	0·17	0·05	0·05	...	6	0·56	3·21	4·24	54·24	41·42
		Mankur ...	...	...	0·45	...	0·25	...	...	2	0·70	4·86	?	40·64	?
	Bankoora ...	Bankoora ...	...	...	...	0·08	0·01	...	0·08	3	0·17	2·01	4·48	42·97	43·86
		Bishenpore ...	0·35	...	0·17	0·68	0·15	0·05	...	5	1·40	3·32	4·15	49·95	43·04
		Malara ...	0·11	...	...	...	...	...	...	1	0·11	2·59	3·24	43·74	41·16
		Khatra ...	...	...	...	1·26	...	...	...	1	1·26	4·10	5·83	51·48	41·51
		Indas ...	0·15	...	0·44	0·01	1·15	...	...	4	1·75	3·47	?	30·40	?
		Kotalpore ...	...	...	0·40	...	0·65	...	...	2	1·05	2·62	?	45·98	?
		Anda ...	0·30	...	...	0·90	0·10	0·12	...	4	1·42	3·22	?	34·01	?
		Gangajalghati	...	...	...	0·24	...	...	...	1	0·24	4·12	?	52·68	?
		Raipore ...	...	...	...	0·15	0·05	...	0·46	3	0·66	2·51	?	52·28	?
		Sonamukhi ...	...	...	0·31	...	0·19	0·04	...	3	0·54	2·11	?	42·27	?
	Beerbhoom ...	Bh. Soory ...	0·07	...	0·77	...	0·22	0·15	...	4	1·21	2·82	5·85	47·18	44·82
		Hetampore ...	0·11	0·21	...	0·45	...	...	...	3	0·77	2·39	5·99	43·96	45·86
		Rampore Haut	0·98	2·07	4·05	0·38	2·05	...	...	5	9·54	12·44	6·35	63·72	42·01
		Bolpore ...	...	...	1·20	...	0·72	...	...	2	1·92	4·46	?	55·64	?
		Murarai ...	0·90	...	2·00	0·06	0·74	...	...	4	3·70	6·16	?	?	?
	Nuddea ...	Ranaghat ...	0·48	0·05	2·10	...	...	...	...	3	2·63	4·23	3·97	54·19	39·17
		Kishnaghur ...	0·09	0·03	1·56	...	...	...	...	3	1·68	2·73	4·29	58·61	37·18
		Choosdanga ...	1·05	...	0·45	...	...	...	...	2	1·50	3·20	5·18	46·96	41·41
		Meherpore ...	0·28	...	1·24	...	0·90	0·25	...	4	2·67	3·50	4·25	44·42	39·34
		Kooshtea ...	0·10	0·03	0·12	...	0·23	...	...	4	0·48	2·70	5·22	30·91	43·45
	Khoolna ..	Satkhira ...	1·00	0·31	0·25	0·03	0·30	0·12	...	6	2·01	2·53	4·53	34·03	44·80
		Bagirhat ...	...	...	...	...	...	...	...	Nil	Nil	1·95	5·94	46·13	50·00
		Khoolna ...	0·05	0·12	...	0·08	...	0·29	...	4	0·54	2·13	5·52	43·43	44·97
	Jessore ...	Narail ...	0·15	0·04	...	...	...	...	...	2	0·19	1·27	4·44	25·15	38·27
		Jessore ...	0·68	...	...	...	...	...	...	1	0·68	1·80	4·57	47·51	44·56
		Jhenidah ...	...	...	0·15	...	...	...	...	1	0·15	3·00	4·70	31·69	43·36
		Magoorah ...	0·45	...	1·91	0·04	0·06	...	...	4	2·46	4·25	4·88	37·38	40·06
		Bongong ...	0·45	0·25	0·24	0·10	...	...	...	4	1·04	3·06	4·61	42·80	41·64
	Moorshedabad	Kandi ...	...	...	1·90	...	0·60	...	...	2	2·50	3·72	5·45	47·86	41·04
		Berhampore ...	0·09	...	1·71	...	...	...	...	2	1·80	2·84	5·51	35·98	40·48
		Lalbagh ...	0·33	...	1·46	...	...	...	...	2	1·79	3·56	5·37	38·57	40·33
		Azimgunge ...	0·65	...	1·88	...	0·04	0·24	...	4	2·81	4·69	5·51	?	41·36
		Jungipore ...	0·44	0·84	1·00	...	1·26	...	...	4	3·54	5·68	6·40	38·83	40·76
		Lalgola ...	0·85	0·20	0·65	...	2·83	...	...	4	4·53	8·21	6·08	45·53	41·25
		Jaigunge ...	0·65	...	2·12	...	0·03	0·30	...	4	3·10	4·50	?	40·37	?
		Akhrigunj ...	0·78	...	0·92	0·06	...	...	...	3	1·76	8·59	?	43·06	?
		Patkabari ...	...	1·40	...	...	0·10	...	...	2	1·50	1·95	?	40·89	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	0·47	0·40	0·35	2·00	...	...	0·30	5	3·52	6·86	9·18	135·61	116·30
		Chittagong ...	0·14	...	0·73	0·40	1·15						8·00		79·81
		Kutubdia ...	0·09										?		
		Satkanya ...	0·13	0·06	0·05	0·03	0·89						?		
	Chittagong Hill Tracts.	Rangamati ...	0·10	...	...	0·27	...	...	0·24	3	0·61	4·41	6·48	65·02	67·39
		Ruma ...	0·15										5·73		60·10
	Backergunge	Patuakhally ..	0·12	...	0·36	...	...	...	...	2	0·48	3·64	7·15	76·45	72·45
		Perozepore ...	...	...	...	...	...	1·23	...	1	1·23	5·14	6·03	57·38	56·78
		Burrisal ...	0·01	0·30	...	...	...	...	...	2	0·31	3·12	5·36	53·63	54·10
		Bhola ...	0·81	...	0·41	...	0·51	...	...	3	1·73	4·92	5·65	56·45	67·41

Statement of Rainfall in Bengal for the week ending Friday (6 p m.), the 14th of September 1888 —contd.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 8th September.	Sunday, 9th September.	Monday, 10th September.	Tuesday, 11th September.	Wednesday, 12th September.	Thursday, 13th September.	Friday, 14th September.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
East Bengal —concld.		*Gournaddi* ...	0·49	0·30	......	......	1·00	......	......	3	1·79	4·27	?	45·70	?
		Bauphal ...	0·66	......	0·06	......	0·07	......	......	3	0·79	6·32	?	80·22	?
	Noakholly	Noakholly ...	0·45	......	0·09	0·03	0·07	......	......	4	0·64	3·75	8·93	85·08	88·98
		Fenny ...	4·15	0·36	1·05	0·65	1·25	......	0·20	6	7·03	9·00	9·41	89·19	89·37
		Harishpore ...	1·22	......	0·50	0·40							?		?
		Ramganj ...	0·46	......	1·72	0·08	0·28						?		?
	Furreedpore	Madaripore ...	......	......	0·82	0·70	0·15	0·29	......	4	1·96	2·96	4·39	40·68	46·23
		Furreedpore ...	......	......	......	......	4·06	......	......	1	4·06	7·20	4·58	40·16	46·59
		Goalundo ...	0·70	......	......	......	0·06	......	......	2	0·76	2·91	4·87	41·04	43·61
	Dacca ...	Munshigunge	1·82	0·26	0·90	0·05	0·02	......	......	5	3·05	7·90	6·83	53·85	57·54
		Dacca ...	1·56	0·10	1·64	......	......	......	......	3	3·30	6·05	6·02	40·46	40·44
		Narainkunge	1·61	......	0·26	0·06	......	......	......	3	1·93	4·62	6·28	57·27	40·09
		Manickgunge	0·04	......	0·11	......	0·05	......	......	3	0·20	1·38	4·83	41·79	41·75
		Joydebpore ...	0·07	0·40	0·78	......	0·27	......	......	4	1·52	2·86	?	56·07	?
	Hill Tipperah	Agartola ...	0·95	0·60	0·45	......	0·40	......	......	4	2·40	3·57	5·85	49·72	49·79
	Tipperah ...	Comilla ...	1·32	0·12	0·03	0·03	......	......	......	4	1·50	3·90	6·30	57·15	64·59
		Chandpore ...	0·22	......	0·20	......	0·83	......	......	3	1·25	5·16	6·03	50·09	63·68
		Brahmunberia	0·95	1·38	1·72	......	......	0·10	......	4	4·15	4·82	6·50	57·44	49·75
		Ramchandrapore.	0·32	0·28	0·21	0·31	......	......	......	4	1·03	5·32	?	50·94	?
		Nasirnagar ...	1·20	0·50	1·11	......	......	......	......	3	2·81	5·23	?	45·74	?
		Daudkandi ...	1·17	1·30	1·17	1·27	......	......	......				?		?
		Kasba ...	1·06	0·86	......	......	......	......	......	2	1·92	5·71	?	59·47	?
		Laksham ...	0·48	......	......	0·51	2·39	......	......	3	3·38	4·68	?	60·93	?
	Mymensingh	Kishoregunge	0·18	2·24	0·13	......	......	......	......	3	2·53	8·49	0·80	70·75	57·10
		Atia (*Tangail*)	......	0·19	......	......	......	......	......	1	0·19	1·06	4·79	31·74	44·69
		Mymensingh	0·09	4·34	0·40	......	1·23	......	......	4	6·09	7·42	6·53	54·92	59·64
		Jamalpore ...	0·40	1·09	1·20	......	0·84	......	......	4	3·44	4·41	7·07	58·09	52·21
		Netrokona ...	0·13	0·74	0·14	......	0·51	......	......	4	1·52	5·98	5·51	70·16	56·94
		Subornakhally	0·45	2·15	0·01	......	......	......	......	3	2·61	3·41	?	50·97	?
		Durgapore ...	1·80	0·90		......	......	......	......				?		?
		Dewanganj ...	0·32	0·59	0·95	......	0·03	......	......	4	1·39	2·30	?	40·50	?
North Bengal.	Pubna	Pubna ...	0·61	......	......	......	0·31	......	......	2	0·92	2·58	6·10	36·64	43·55
		Seraigunge ...	0·30	0·13	0·12	......	......	......	......	3	0·55	1·00	5·37	38·52	42·91
	Bogra ..	Sherpore ...	0·56	1·36	0·57	......	0·07	......	......	4	2·56	4·70	4·68	37·09	43·53
		Nowkhilla ...	1·72	0·85	......	......	0·07	......	......	3	2·64	3·00	3·82	45·60	42·62
		Bogra ...	1·37	0·41	0·56	......	0·20	......	......	4	2·54	3·39	5·37	37·77	50·30
		Panchbibi ...	......	0·06	0·59	......	2·42	......	......	3	3·07	5·07	6·04	40·35	40·30
	Rajshahye	Beauleah ...	0·14	......	1·27	0·28	0·14	0·02	......	5	1·85	2·47	5·76	23·47	42·34
		Nattore ...	2·35	......	3·95	......	......	......	......	2	6·30	8·15	6·49	50·13	44·31
		Naogaon ...	0·30	1·97	0·16	......	0·85	......	......	4	3·28	5·07	?	31·55	?
		Lalpore ...	......	......	1·30								?		?
		Manda ...	0·65	0·78	0·50	......	......	......	......	3	1·93	3·34	?	26·95	?
	Maldah ...	Maldah ...	0·03	2·63	0·02	......	......	......	......	3	2·68	4·95	6·61	43·56	41·68
		Chanchal ...	0·07	1·88	......	......	......	......	......	2	1·95	4·18	6·74	28·93	44·07
		Gajol ...	1·50	1·10	0·21	......	......	......	......	3	2·81	4·41	?	33·46	?
		Sibganj ...	0·10	0·33	2·23	......	0·31	......	......	4	2·97	4·89	?	41·71	?
	Dinagepore ...	Mohadebpore	......	0·05	......	0·06	......	......	......	2	0·11	1·66	6·21	38·98	48·71
		Churamon ...	0·25	4·37	......	......	......	......	......	2	4·62	8·20	7·94	41·07	45·45
		Raigunge ...	0·24	0·27	......	......	......	......	......	2	0·51	4·18	6·54	44·95	50·67
		Dinagepore ...	0·23	1·50	......	0·10	0·06	......	......	4	1·89	2·95	6·62	54·52	53·70
		Baloorghat ..	0·19	......	0·72	0·03	0·27	......	......	4	1·21	1·79	5·76	35·93	44·23
		Thakoorgaon	......	2·16	0·61	......	......	......	......	2	2·77	5·26	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	0·96	0·05	......	......	......	......	......	2	0·01	1·89	6·50	49·19	50·42
		Rungpore ...	1·55	0·61	0·23	0·05	1·00	......	......	5	3·44	4·72	7·67	47·76	62·93
		Kurigram ...	1·21	3·11	1·35	......	......	......	......	3	5·67	7·03	6·71	65·08	63·14
		Bagdogra (*Nilphamari*).	0·56	0·27	0·20	......	1·03	......	......	4	2·06	3·08	7·63	48·77	72·00
		Ulipore ...	0·50	2·85	0·17	......	......	......	......	3	3·52	3·52	?	47·95	?
	Julpigoree ...	Julpigoree ...	......	0·28	......	......	3·04	......	......	2	3·32	7·45	11·39	99·19	98·77
		Alipore Doar	......	......	0·54	......	0·05	0·07	......	3	0·67	2·40	?	70·08	?
		Fallacotta ...	......	......	......	......	1·40	......	......	1	1·40	3·06	?	78·01	?
		Debiganj ...	0·34	0·37	0·15	......	0·55	0·04	......	5	1·45	2·73	?	57·84	?
	Cooch Behar...	Dinhatta ...	0·86	2·05	0·09	......	1·29	......	......	4	4·29	5·27	9·76	85·94	77·46
		Cooch Behar...	......	0·47	0·10	0·13	......	......	......	3	0·70	2·91	11·24	81·67	100·93
		Mickligunge...	......	0·45	......	0·72	0·22	0·15	......	4	1·54	4·35	11·49	68·73	92·97
		Matabhanga...	......	0·15	0·09	......	0·14	0·03	......	4	0·41	0·65	10·49	60·78	97·75
	Darjeeling Hill.	Buxa ...	2·88	0·24	0·18	0·48	1·87						15·09		164·09
		Siliguri ...	......	0·28	0·43	......	0·40	......	......	3	1·17	1·93	7·92	70·54	91·91
		Darjeeling ...	0·83	0·57	0·99	0·05	1·75	0·77	0·01	7	4·97	7·50	10·68	82·09	93·72
		Kalimpong ...	0·21	......	0·31	......	1·14	0·07	0·04	5	1·77	4·69	5·93	61·68	70·17
RTH BEHAR	Purneah ..	Kissengunge...	0·44	0·50	0·18	......	0·62	0·33	......	5	2·07	3·31	7·75	43·65	59·97
		Arrareah ...	1·90	0·26	0·19	......	......	0·30	......	4	2·65	3·88	7·87	46·15	55·74
		Purneah ...	0·22	0·64	0·17	......	0·03						9·29		52·10
		Gondwara ...	0·15	0·75	0·20	......	......	0·10	......	4	1·20	3·10	?		?
		Balarampore.	0·67	......	0·45	......	......	......	......	2	1·12	4·96	?	?	?
		Mattari ...	......	......	......	......	......	0·20	......	1	0·20	2·80	?	?	?
		Kaliaganj ...	0·29	......	......	0·62	1·32	......	......	3	2·23	4·50	?	53·44	?
	North Bhagulpore	Maddapore ...	0·66	0·34	0·76	......	0·08	......	......	4	1·84	7·14	6·19	52·67	40·66
		Soopool ...	0·10	......	0·39	......	......	0·15	......	3	0·64	4·18	5·58	59·07	40·54
		Protabganj ...	0·14	......	......	......	0·15	......	......	2	0·29	3·89	?	37·10	?
	Durbhunga ..	Tajpore ...	0·75	......	1·09	0·18	......	0·20	......	4	2·22	4·69	4·31	38·43	35·49
		Durbhunga ...	0·09	......	0·54	0·22	......	0·05	......	4	0·90	3·56	5·41	51·39	58·03
		Madhubani ...	0·34	0·24	0·10	0·05	......	......	......	4	0·83	4·52	5·78	39·32	37·29
		Bahera ...	......	0·29	1·00	......	......	0·40	......	3	1·60	5·15	?	49·20	?
		Roshera ...	0·10	......	......	1·50	......	0·10	......	3	1·70	5·07	?	39·26	
	Mozufferpore	Sitamarhi ...	......	0·15	0·30	......	......	0·03	......	3	0·48	1·64	5·02	39·71	34·95
		Mozufferpore	......	......	0·95	0·15	......	......	......	2	1·10	1·91	4·37	38·80	38·23
		Hajipore ...	......	1·23	0·18	......	......	0·14	0·10	4	1·65	3·78	3·29	44·14	35·19
		Paru ...	......	0·50	0·50	......	......	......	......	2	1·00	1·95	?	34·28	?
		Mahua ...	......	0·45	0·12	1·25	......	0·04	......	4	1·86	3·09	?	33·94	?
		Suhar ...	0·36	3·30	......	......	......	......	......	2	3·66	6·73	?	27·07	?
		Pupri ...	......	0·20	1·00	......	......	......	......	2	1·20	2·70	?	21·29	?
	Chumparun ...	Motihari ...	0·10	0·20	3·80	......	......	......	......	3	4·10	5·66	4·83	34·81	30·08
		Bettiah ...	0·32	1·30	3·85	......	......	......	......	3	5·47	7·05	3·75	44·72	38·55
		Bagaha ...	......	1·14	2·73	......	......	......	......	2	3·87	5·96	?	45·03	?
		Burhurwa ...	......	0·16	0·75	0·34	......	......	......	3	1·25	2·91	?	37·50	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 14th of September 1888—*concld.*

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 8th September.	Sunday, 9th September.	Monday, 10th September.	Tuesday, 11th September.	Wednesday, 12th September.	Thursday, 13th September.	Friday, 14th September.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR —*concluded.*	Sarun	Gopalgunge ...	0 49	3'23	1'30	0'60	......	......	......	4	5'02	6'61	3'83	35'43	34'53
		Sewan ...	0'38	1'95	2'06	5'08	0 14	0'24	......	6	9'85	10'81	3'70	38'90	34'20
		Chuprah ...	0'29	0'41	0'13	0'23	0'01	0'53	......	6	1'60	3'96	3'58	33'80	32'81
SOUTH BEHAR	Shahabad	Buxar ..	1'89	1'87	0'07	......	......	0'33	0'01	5	4'17	10'09	3'97	38'98	30'81
		Dehree ...	0'54	0'37	......	......	......	0'53	......	3	1'44	7'61	4'14	41'24	30'57
		Bhubooah ...	2'80	0'50	......	......	......	......	......	2	3'30	3'60	4'07	38'97	33'96
		Sasseram ...	1'00	0'13	0'38	0'30	......	......	......	4	1'81	5'71	3'20	39'65	32'30
		Arrah ..	......	......	0 20	0'85	......	......	0'05	3	1'10	5'03	3'74	41'99	32'87
		Mohania ...	2'20	1'50	0'60	......	......	......	......	3	4'30	6'80	?	32'48	?
	Gya ..	Aurungabad..	0'26	......	0'38	......	......	0'12	......	3	0'76	5'89	4'21	53'17	35'95
		Gya ...	0'53	0'74	0'01	......	......	......	......	3	1'28	7'34	4'19	49'31	30'05
		Nowadah ..	0'08	1'24	0'24	......	......	0'47	......	4	2'07	2'72	4'35	45'99	33'71
		Jehanabad ...	......	0'99	0'25	1'18	......	0'76	......	4	3'18	6'45	3'18	44'46	33'52
		Arwal ...	0'51	......	0'49	......	......	0'31	......	3	1'31	6'92	?	30'92	?
		Daudnagar ...	0'15	......	......	......	......	......	......	1	0'15	5'57	?	41'00	?
		Sherghati ...	1'00	......	......	......	......	......	......	1	1'00	2'30	?	30'52	?
		Rajauli ...											?		?
		Pakri Barawan..	......	0'15	......	0'75	0'10	......	......	3	1'00	3'77	?	35'60	?
	Patna ..	Patna .	......	0'12	0'12	......	......	......	......	2	0'24	2'09	3'65	37'96	34'28
		Dinapore ...	0 06	0'23	0'16	......	......	......	......	3	0'47	2'00	3'38	40'69	33'93
		Behar ...	......	0'45	0'07	0'07	......	......	......	3	0'59	2'12	4'12	49'57	35'30
		Barh ..	0'05	0 60	0'85	0'65	......	......	......	4	2'15	9'35	4'20	50'72	32'28
		Bickram ...	......	1'00	......	......	......	......	......	1	1'00	6'91	?	36'65	?
		Hilsa ...	0'08	1'25	0'09	......	......	......	......	3	1'12	3'71	?	44'31	?
	Monghyr	Begooserai ..	0'28	0'90	0'87	0'13	......	......	......	4	2'18	5'62	4'14	43'44	32'91
		Monghyr	......	2'02	1'45	0'10	......	......	......	3	3'57	9'30	5'73	52'57	39'00
		Jamui ...	0'11	0'14	0'23	0'15	......	0'17	......	5	0'80	3'92	4'14	46'00	36'26
		Gogri ...	1'18	2'42	3 48	0'64	......	......	......	4	7'72	10 43	?	56 79	?
		Sheikpura ...	0'30	......	......	1'60	......	......	......	2	1'90	2'84	?	56'48	?
	South Bhagulpore	Bhagulpore ...	0'28	2'20	0'97	......	......	......	......	3	3'45	4'39	4'77	51'00	35'38
		Banka ..	0'06	0 10	1'50	1'71	0'16	......	......	5	2 53	3'37	5'52	35'67	35'85
		Kolgong ..	......	......	3'83	......	......	......	......						?
	Sonthal Pergunnahs	Rajmehal ...	0'03	0'90	......	......	......	......	......	2	0'93	1'55	7'02	42'40	43'78
		Godda ...	......	0'15	0'15	2'20	0'03	0'25	......	5	3 08	4'71	4'86	45'26	36'85
		Pakour	0'96	1'25	0'51	......	......	......	......	3	2'72	7 18	7 08	55'62	44'67
		Nya Doomka	0'05	......	0'35	......	0'80	0'04	......	4	1'24	2'61	6'11	46'59	43'65
		Deoghur ...	......	......	0'69	0'34	0'40	0'39	......	4	1'81	3 48	4'82	43'19	41'07
		Jamtara ..	......	0'65	1'60	1'05	0'27	......	......	4	3 57	5'33	3 59	52'86	40'40
		Mohagama ...	0'45	1'35	......	......	......	......	......	2	1'80	3'95	?	?	?
		Nanihat ...	......	......	......	0'79	......	......	......	1	0'70	1'06	?	26'99	?
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba ... (*Giridi*).	0'80	0'04	0'77	......	0'63	0'87	0'16	6	3'27	4'63	5'00	49'89	69'05
		Hazaribagh ..	0'24	0 30	0'16	0'17	0'01	0'56	......	6	1'44	3'56	4'92	51'75	39'99
		Semtagurah ..	0'16	0'16	......	0'16	......	0'18	......	4	0'96	4'89	4'54	50'22	37'63
		Manudi Hills											4'40		39'84
		Jhoomrah Hills											0'94		51'64
		Burhi ...	......	......	......	0'74	......	......	......	1	0'74	2'55	?	48'01	?
		Chatra ...	0'41	......	......	0'85	......	0'31	......	3	1'57	6'25	?	51'06	?
		Karagdeha ...	......	......	......	2'30	......	......	......	1	2'30	6'60	?	47'03	?
		Ramghur ..	1'10	......	......	0'05	......	0'75	......	3	1'90	4'43	?	44'38	?
	Lohardugga ...	Lohardugga ...	0'60	0'18	0'04	0'26	......	0'57	......	5	1'65	6'12	5'78	43'38	42'58
		Ranchi ...	0 18	......	0'12	2'58	......	......	......	3	2 88	6'07	5'26	50'52	43'99
		Palamow .	0'60	0'85	0'33	0'43	......	0'67	0'68	6	3'56	6'73	4'97	50'20	36'13
		Silli ...	......	0'90	......	......	......	......	......	1	0'90	5 00	?		?
		Balumat ...											?		?
		Hosseinabad...	0'78	0'59	......	......	......	0'60	......	3	1'97	3'98	?	?	?
		Garwah ..	......										?		?
	Singbhoom ...	Chyebassa .	0'27	0'35	......	......	......	......	......	2	0'62	2'83	5'06	37'25	44'07
		Chakradharpore.	3'07	1'03	1'44								?		?
		Ghatsilla ...	......	......	1'50	0'45	1'46						?		?
		Banaragura..	......	......	0'36								?		?
	Manbhoom ...	Purulia ...	......	0'23	0'17	0'49	0'45	0'07	......	5	1'41	6'30	4'37	52'80	41'27
		Goomdpore ...	0'15	0'21	0 54	0'05	0'14	......	......	5	1'09	4'32	4'38	53'40	37'72
		Raghunathpore.	0'48	0'20	0'03	0'48	2'48	0'08	......	6	8'75	6'73	?	50 84	?
		Barrabhoom...	......	0'18	0'02	......	0'70	......	......	3	0'90	2'77	?	48'40	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.- ...... Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 18*th September* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 14TH OF SEPTEMBER 1888.

TOWARDS the close of the preceding week the meteorological conditions of the Bay and the province became of ordinary light south-west monsoon character, the centre of lowest pressure being rapidly transferred from Orissa to the west of Chutia Nagpur. With the beginning of the present week the barometric pressure began to fall slightly at the western stations, but much more rapidly in East and North Bengal, and along the east coast of the Bay, more especially at the southern stations of Burmah, a fall of nearly a tenth of an inch being reported from Tavoy. With these changes pressure became very uniform over the Bay, and to a great extent over Bengal also. The winds continued light and generally southerly. The reports received on Monday showed that the fall of pressure on the Burmah coast had continued, but not with such rapidity as on the previous day, while there was an increase of pressure in the north of the Bay, causing pressure to become still more uniform.

The wind directions assumed a suspicious appearance which, with the continued fall of pressure on the Burmah coast, pointed to the possible commencement of a depression off the South Burmah coast, though it was not sufficiently intense to give other indications.

During Monday changes of the same nature continued, pressure diminishing on the east and increasing on the west coast, and on the Tuesday morning pressure was distinctly low over the south of Burmah. The winds retained their ordinary monsoon directions, except on the Burmah coast, where the slight indraught to a centre near Tavoy still continued. During Tuesday the relative circumstances were still of the nature of the preceding days, the reports on Wednesday morning showing only that a slight fall had taken place over the whole of the Bay, and Chittagong became the region of highest pressure. The weather was then fine over South Bengal and the Bay. The reports received on Thursday morning, the 13th, showed that rapid changes had begun. The fall of the barometer on the Burmah coast, which had been continuous, but usually slow, from the previous Saturday, became much more rapid, a fall of nearly three-twentieths of an inch being reported from Tavoy, Moulmein, and Rangoon. The set of the winds to a centre between the Andamans and the main land, or perhaps to the east of Tavoy or in the Gulf of Siam, continued, though the intensity remained slight, as it had been throughout the previous four days. The development of the storm, which had been going on steadily from Saturday, the first day of the present week, now became much more rapid, and during the twenty-four hours between 8 A.M. on Thursday and 8 A.M. on Friday very rapid changes appeared.

The storm centre, which apparently had been stationary or moving slowly, then started into rapid motion, but the north-westerly direction it was moving in carried it over the Bassein hills, where its motion was for a time retarded and its further development was partly prevented. Its intensity was, however, sufficient to enable it to surmount the hills, and shortly after 8 A.M. on Friday the centre left the land and began crossing the Bay in a west-north-westerly direction. The barometer fell with extreme rapidity at Diamond Island when the storm centre was passing near that station, a fall of a quarter of an inch being reported. At 8 A.M. on Friday falls were also reported from all stations except those on the South Burmah coast, where pressure was rising rapidly. The storm centre thus appears to have passed to the west of Rangoon or near Bassein on the early morning of the 14th instant. During the progress of the storm the ports in Burmah were warned of the advance and probable path of the storm. Heavy rain fell in connection with the storm, Diamond Island receiving nearly four inches from the 13th to the 14th. Moulmein also reported a gale of wind, and at Rangoon the wind velocity was 34 miles an hour at 8 A.M. on the 14th. Indraught towards the storm area was going on all round the Bay, the general wind direction being north-westerly. On leaving the coast the storm again began to move with great rapidity, probably crossing half way to the Orissa coast during the following 24 hours.

Pressure—At the commencement of the week was at all stations considerably above the normal, at only a few the variation being less than a tenth of an inch. During Saturday, at nearly all stations, small falls took place; but during Sunday and Monday the barometer again rose, so that the pressures reported on Monday, the 11th, showed a variation from the mean greater than it was at the beginning of the week. The reduced pressures, however, showed great uniformity. A fall set in on Tuesday and continued on Wednesday, though the pressure remained above the normal. The rapid fall which took place during Thursday brought the pressure recorded on Friday morning below the normal, the fall at most stations being for the three days about three-twentieths of an inch. The Behar stations only still reported pressure slightly in excess. As previously described, throughout the week the barometer was falling on the south coast of Burmah, slowly in the early part of the week, rapidly afterwards in consequence of the formation of the cyclonic storm, and at the end of the week the existence of the storm governed the pressure distribution of the whole of Bengal and of the Bay. For the whole of Bengal the mean pressure for the week has been 0·063 inch in excess of the normal, while in Assam the excess has been 0·068 inch.

Temperature—During the week has varied very slightly from the normal. In the early part, small changes were reported, and a slight defect at most of the stations. In Orissa, there was an excess of about 2°, and in Behar and North Bengal a defect of about 2°. In South-West Bengal this excess continued almost to the end of the week, but from Tuesday, the 11th, temperature rose, and became slightly in excess of the normal at the other stations till Thursday, when again a small defect was reported. Towards the end of the week, the temperature kept varying by very small amounts above and below the normal, at the majority of stations. For the whole week the mean temperature of the province has been only a tenth of a degree below the normal, while in Assam the defect has been equal to half a degree.

Winds—At the head of the Bay were decidedly strong during the first three days of the week, but at most of the other stations they were light and variable, though with a south or south-easterly tendency. On the 10th, the strong winds at the head of the Bay decidedly fell off. Irregular winds set in on the 11th, with a northerly tendency, over the east and south of the province. Afterwards, though the winds remained light, the direction became more generally northerly till the close of the week.

Rainfall.—With the partial cessation of the monsoon current blowing over the province, there has been a slight, but distinct, break of the rains in certain districts, and thus rainfall has been in defect in all districts except in North Behar. In Orissa and Chutia Nagpur the defect from the normal has been between one-and-a-half and two inches. Orissa has indeed only received a few local showers about the middle of the week. The rainfall over the province has also been very irregular; very heavy falls of over five inches were reported on Sunday from Mymensingh and Dhubri, but the amounts and the number of showers fell off very rapidly, more particularly in the western districts, and rain became almost completely absent from Orissa and South-West Bengal from the middle to the end of the week. In the middle of the week, local showers were falling in most districts, but latterly a decided break of rains set in, and the last two or three days were practically rainless. Falls of about two to two-and-a-half inches during the week have been reported in East and North Bengal and Behar, and falls of from one to two inches only in Orissa, South-West Bengal and Chutia Nagpur. The only district where the fall has been nearly normal is Behar, considerable defects being reported in South-West, East and North Bengal, and very large defects in Orissa and Chutia Nagpur.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 14th of September 1888:—

Meteorological Divisions.	Temperature. Averages for week.			day.		…nge mean of we… above …ow normal mean of week	Rainfall. Of week.			Rainy days. Aver… week	Normal a… ber in w…		Since 1st of month.		Since 15th May.	
Orissa*	92·4	76·0	89·3	79·8	84·5	+1·3	1·00	2·66	—1·66	2·0	4·0	—2·0	3·10	5·34	40·00	40·13
South-West Bengal	91·3	72·3	88·4	78·2	83·3	—0·1	1·86	2·27	—0·41	3·0	3·6	—0·6	3·93	4·99	48·51	42·57
East Bengal ...	92·3	74·0	87·7	77·9	82·8	+0·5	2·25	2·80	—0·55	3·5	4·0	—0·5	5·00	6·36	61·89	61·10
North Bengal ...	92·0	73·6	88·1	76·9	82·5	—0·5	2·38	3·20	—0·82	3·2	3·3	—0·1	3·90	7·21	48·44	58·70
North Behar ...	91·2	72·6	87·5	77·0	82·3	—1·6	2·61	2·48	+0·13	3·8	2·8	+1·0	4·77	5·31	39·79	39·85
South Behar ...	91·9	73·5	88·7	77·5	83·1	—0·4	2·02	2·18	—0·16	3·5	2·9	+0·6	5·20	4·51	45·80	36·11
Chutia Nagpur ...	85·4†	70·9†	83·2†	72·1†	77·7†	—0·2†	1·80	2·50	—1·70	4·3	3·8	+0·5	4·84		46·41	41·37
Assam	94·5	74·0		76·5	83·3	—0·5										

* Pooree not included. † Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 17th September 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 9th to 15th September 1888.

Month	Date.	Temperature.				Mean wet bulb.	Hygrometry			Rain
		Mean	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1888		°	°	°	°	°	Inches.	°	%	Inches
September	9th	83·6	89·8	11·0	78·8	80·3	·991	79·0	86	
"	10th	80·6	81·9	1·9	80·0	79·1	·975	78·5	93	0·14
"	11th	81·8	91·0	12·2	78·8	79·5	·978	78·6	90	
"	12th	83·6	90·5	13·1	77·4	78·9	·927	76·9	80	
"	13th	82·5	90·2	11·4	78·8	79·2	·954	77·8	86	3·19
"	14th	83·8	91·8	13·8	78·0	81·0	1·022	79·9	88	
"	15th	82·1	92·5	11·5	81·0	79·1	·955	77·8	87	0·27

The mean temperature of the seven days	... ...	82·6°
The extreme variation of temperature	... ...	15·1
The maximum temperature	... ...	92·5
The mean relative humidity	... ...	87 %
The total fall of rain from 9th to 15th September 1888	... ...	3·60 Inches.

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 17*th September* 1888.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

The leading facts in connection with the mortuary statistics of the districts in Bengal for the month of June 1888 are the following :—

1. That the deaths of 105,463 persons were registered out of a population of 66,163,884 in these districts, or at the rate of 19·08 per 1,000 per annum, against 21·12 per 1,000 in the preceding month, and 20·40 per 1,000 in the corresponding month of 1887, indicating, as compared with both the periods, a falling off in the number of deaths registered.

2. That the highest death-rates were reported to have occurred in the following districts :—

Districts.	Ratio per *mille.*	*Districts.*	Ratio per *mille.*
Darjiling	46·68	Patna	24·96
Chumparun	34·80	Gya	24·48
Monghyr	31·08	Bhagulpore	24·18
Manbhum	28·56	Lohardugga	24·36
Hazaribagh	28·08	Durbhunga	24·12
Julpaiguri	26·76		

3. That the mortality from the specific diseases, mentioned in the table appended below, indicates that cholera prevailed with considerably less fatality during the month under notice as compared with the corresponding month of the preceding year, and that the fatal results from the rest of the diseases exhibited only fractional differences, excepting bowel-complaints and injury, the casualties from which maintained the same ratio :—

	Ratio per *mille* during—	
	June 1888.	June 1887.
Cholera	1·68	3·84
Small-pox	·12	·07
Fever	13·08	12·60
Bowel-complaints	·72	·72
Injury	·60	·60
Other causes	2·76	2·40

4. That, while injury was nowhere noticeably fatal, cholera, small-pox, fever, bowel-complaints and the maladies coming under the head of "Other causes" caused the highest mortality in the districts named below :—

Cholera.

	Ratio per *mille.*
Chumparun	14·64
Manbhum	9·12
Durbhunga	6·36
Monghyr	4·44
Mozufferpore ...	3 72
Sarun	2·64
Hazaribagh	2·52
Patna	2·28
Cuttack	2 28
Puri	2·16

Small-pox.

	Ratio per *mille.*
Chumparun ...	2 76

Fevers.

	Ratio per *mille.*
Darjiling ...	30·00
Julpaiguri ...	23·88
Monghyr ..	21·60
Hazaribagh ...	20·64

Bowel-complaints.

	Ratio per *mille.*
Darjiling	10·32

Other causes.

	Ratio per *mille.*
Puri	9·84

5. That under the heads of *Sex, Class* and *Age,* the mortality was distributed as follows :—

According to Sex.

	Ratio per *mille.*
Males	20·88
Females ...	17·28
Ratio of male deaths to every 100 female deaths ...	118

According to Class.

	Ratio per *mille.*
Christians	12·12
Hindus	20 40
Mahomedans ...	16·44
Budhists	21·12
Other classes ...	19·92

According to Age.

	Ratio per *mille.*
Under 1 year ...	145·92
1 and under 5 years...	23 76
5 " " 10 " ...	10·44
10 " " 15 " ...	9·00
15 " " 20 " ...	12·12
20 " " 30 " ...	12·36
30 " " 40 " ...	13·56
40 " " 50 " ...	17·16
50 " " 60 " ...	24·24
60 years and upwards ...	38 16

W. H. Gregg, *Dip. Publ. Health, Camb,*
Offg. Sanitary Commissioner for Bengal.

The 12th September 1888.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of June 1888.

1	2	3			4							5							6		7		8		9
		POPULATION.			MORTALITY ACCORDING TO— Disease. Deaths from—							Ratio per 1,000 of population per annum.							Comparison with previous periods.		Sex. Deaths among—		Ratio per 1,000 of population per annum.		
DIVISIONS.	DISTRICTS.	Males.	Females.	Total.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
BURDWAN ...	Burdwan	668,295	723,528	1,391,823	69	......	1,455	37	42	367	1,970	·48	...	12·36	·21	·36	3·24	16·92	18 64	12·60	1,010	960	18·12	15·94	105
	Bankura	507,136	534,616	1,041,752	53	8	835	41	25	372	1,384	·60	·08	10·08	·36	·24	4·20	15·84	20 52	19·75	752	632	17·76	14·16	119
	Birbhum	381,563	412,865	794,428	23	...	905	8	27	422	1,385	·24	...	13 56	·12	·36	6 40	20·86	24 84	18·36	690	695	21·60	20·16	99
	Midnapore	1,243,195	1,272,370	2,515,565	39	...	2,721	202	108	606	3,676	·12	...	12·96	·96	·48	2·89	17·52	20 04	15·00	1,928	1,748	18·60	16·44	110
	Hughli	315,665	347,385	663,050	11	1	629	72	33	124	870	·12	·01	11·29	1·29	·4	2·16	15·72	29 64	11·76	414	412	17·40	16·16	111
	Serampore	174,366	177,589	351,955	11	...	227	54	12	97	401	·24	...	7 69	1 80	·36	3 24	13·36	17 40	10·20	218	183	15·00	12·36	119
	Total (Hughli including Serampore)	490,031	524,974	1,015,005	22	1	856	126	45	221	1,271	·21	·01	10·09	1 44	·45	2·52	15·00	19 56	11·16	674	595	16·44	13·56	112
PRESIDENCY ...	Howrah	316,479	318,902	635,381	59	2	349	129	40	198	777	1·08	·03	6·48	2·40	·72	3·72	14·64	19·08	11·16	437	330	16·56	13·00	121
	24-Pergunnahs	975,430	894,429	1,869,859	136	6	1,675	166	108	385	2,476	·93	·03	10 68	·96	·60	2·40	15·84	19 32	13·41	1,411	1,062	17·33	14·16	132
	Nuddea	805,779	849,942	1,655,721	5	1	1,514	1	96	231	1,857	·04	·007	10 92	·04	·60	1 56	13 44	23·04	17·01	997	860	14·76	12·12	115
	Jessore	959,271	980,104	1,939,375	6	......	1,792	6	119	94	2,017	·03	..	11 04	·03	·72	·48	12·48	19·80	12·36	1,140	877	14·16	10·68	130
	Murshidabad	586,483	640,307	1,226,790	51	..	1,383	13	89	163	1,693	·48	..	13 32	·12	·72	1·68	16·56	24 24	15·84	904	781	18·48	14·64	115
	Khulna	568,402	511,546	1,079,948	36	..	844	7	69	148	1,094	·36	..	9 36	·07	·6	1 57	12 12	21·48	12·64	592	502	12·48	11·76	117
RAJSHAHYE ...	Dinajpur	782,292	732,054	1,514,346	8	1	2,346	12	75	92	2,534	·06	·007	18 84	·05	·48	·72	20·04	20 52	22·90	1,413	1,121	21·61	18·36	126
	Rajshahye	660,226	678,412	1,338,638	58	..	1,751	8	91	71	1,979	·48	..	15 36	·06	·72	·60	17 40	27·00	23·04	1,051	928	18·60	16·32	111
	Rungpore	1,047 701	1,430,263	2,097,964	50	13	3,378	13	68	187	3,709	·24	·07	19 32	·07	·36	·90	21 12	25·20	23 32	2,131	1,574	23 86	18·24	135
	Bogra	372,677	361,681	734,358	24	......	1,082	6	84	140	1,348	·36	..	17 64	·09	·48	1 56	20 24	23 64	19·44	681	667	21·81	18·72	120
	Pubna	648,311	663,417	1,311,728	3	.....	1,587	7	59	70	1,675	·02	..	14 07	·06	·12	·64	15 24	23 40	18·60	948	727	17·52	13 69	130
	Darjiling	89,398	66,739	156,137	13	..	391	135	1	64	605	·96	..	30 00	10·32	·07	5·16	46·65	56 76	36·84	314	290	42·60	52·08	108
	Jalpaiguri	305,565	276,097	581,662	70	...	1,193	6	13	46	1,297	1 44	..	23 88	·12	·24	·84	26 76	33 36	34·56	714	583	27·96	25·32	122
DACCA ...	Dacca	1,033,863	1,082,487	2,116,350	29	9	1,665	76	117	512	2,406	·12	·04	9 36	·30	·6	2 85	13 56	15 12	11·88	1,348	1,058	15·60	11·64	127
	Faridpore	805,989	825,745	1,631,734	22	5	1,068	41	49	136	1,315	·12	·03	7 80	·24	·36	·96	9 6	14 04	9 12	786	529	11·04	7·68	149
	Backergunge	973,479	927,410	1,900,889	61	...	1,475	39	148	684	2,381	·36	...	9 24	·12	·84	4 05	15 00	27 3	18 84	1,302	1,079	15·96	13·92	120
	Mymensingh	1,555,397	1,496,569	3,051,966	545	5	2,693	93	79	482	3,621	1·32	·01	10 44	·36	·24	1 68	14 16	22 08	13·92	1,980	1,641	15·24	13·08	120
CHITTAGONG ...	Chittagong	531,649	600,692	1,132,341	124	...	1,217	78	94	170	1,679	1·20	...	12 84	·72	·96	1 80	17 76	30 12	12·36	835	844	18·84	17·28	100
	Noakhali	415,248	405,524	820,772	5	...	1,074	33	85	123	1,323	·07	..	15·60	·45	1 20	1·65	19 32	26 40	20 52	716	607	20 64	17·88	117
	Tipperah	770,894	748,445	1,519,338	20	7	1,121	54	70	704	1,962	·12	·04	8 01	·36	·61	5 52	14 76	13 38	14 52	987	975	15 36	14·28	110
PATNA ...	Patna	858,783	899,073	1,758,856	361	50	2,192	201	95	774	3,663	2·28	·24	14 88	1·02	·6	5·25	24·96	17 24	24 72	1,886	1,777	26·28	23·64	106
	Gya	1,043 441	1,081,241	2,124,682	36	68	3,354	76	111	718	4,363	·12	·24	18·84	·30	·60	3·96	24 48	18 12	40 08	2,199	2,134	25·20	23·68	103
	Shahabad	950,250	1,014,659	1,964,909	131	23	2,531	56	109	443	3,293	·72	·12	15 34	·24	·60	2·64	20 04	13 64	34 80	1,817	1,476	22·68	17·40	123
	Mozufferpore	1,265,731	1,316,329	2,582,060	811	43	2,304	229	179	339	3,896	3·72	·12	10·68	·96	·72	1 44	18·10	13 20	15 80	2,236	1,660	21·12	15·12	134
	Durbhanga	1,295,788	1,337,659	2,633,447	1,434	15	3,349	157	153	198	5,306	6 36	·06	15 12	·60	·60	·84	24·12	26 16	19 09	2,929	2,377	27·12	21·24	123
	Sarun	1,083,565	1,196,817	2,280,382	520	134	1,677	232	67	1,813	4,015	3 64	·60	8 76	1 44	·36	6·96	21 12	16 08	23·04	2,310	1,705	27·12	21·24	136
	Chumparun	870,627	850,981	1,721,608	2,110	399	1,611	45	106	524	4,995	14 64	2 76	12 60	·24	·72	3 60	34 80	24 00	45 12	2,741	2,254	37 68	31·68	121
BHAGULPORE ...	Monghyr	969,124	1,000,650	1,969,774	745	1	3,558	41	141	623	5,113	4·44	·006	21·60	·24	·84	3 72	31 08	27 36	36 64	2,692	2,421	33 43	29·04	108
	Bhagulpore	979,119	987 039	1,966,158	144	6	3,068	107	100	608	4,028	·84	·03	18 60	·60	·60	3·60	24 48	24 24	27·48	2,204	1,824	27·00	22 0	120
	Purneah	937,060	911,607	1,848,687	19	......	2,308	5	38	39	2,409	·12	...	14 88	·02	·24	·24	15 60	18 96	14·76	1,396	1,013	17 88	13·32	137
	Maldah	346,998	363,450	710,448	69	..	940	[illegible]	28	35	1,078	1·08	..	15 84	·04	·36	·48	18·12	25·03	15·12	598	475	20 64	15·60	125
	Sonthal Pergunnahs	785 330	782,763	1,568,093	48	..	1,398	19	45	190	1,700	·36	..	10 69	·12	·24	1·44	12·96	14 76	17·52	946	754	14·40	11·56	125
ORISSA ...	Cuttack	877,702	917,363	1,795,065	349	16	1,109	321	100	715	2,604	2·28	·09	7 32	2 04	·60	4 68	17·40	17·64	13 12	1,334	1,270	18 12	16·56	105
	Puri	446,609	441,878	888,487	166	13	151	162	50	736	1,258	2 16	·12	1 68	2 16	·60	9 84	16·92	18 12	36 16	620	638	16·80	17·16	98
	Balasore	461,461	483,819	945,280	107	9	457	321	59	361	1,314	1 32	·10	5 76	3 90	·72	4·56	16·68	19·08	19 80	649	665	16·80	16·44	97
CHOTA NAGPORE ...	Hazaribagh	544,903	559,839	1,104,742	256	1	1,909	110	49	298	2,593	2 53	·01	20 64	1 08	·48	3·12	28·08	28 20	24 72	1,355	1,238	29·76	26·40	109
	Lohardugga	796,657	812,587	1,609,244	85	......	2,186	358	60	695	3,279	·60	...	16 20	2 40	·36	4 32	24 36	22 80	27·24	1,724	1,555	25·92	22·92	110
	Singbhum	280,978	280,986	561,964	50	2	498	103	39	120	812	·96	·03	10 56	2 16	·72	2 52	17·28	15 84	17 52	485	327	20·64	13·92	148
	Manbhum	525,328	532,900	1,058,228	806	.	1,218	118	39	347	2,528	9·12	.	14 80	1 32	·36	3·84	28·56	29·16	16·44	1,407	1,121	32·04	25 56	125
	TOTAL FOR THE PROVINCE	32,832,216	33,331,668	66,163,884	9,545	834	72,121	4,019	3,354	15,591	105,463	1·68	·12	13 08	·72	·60	2·76	19·08	21 12	20·40	57,260	48,203	20·88	17·28	118

		10					11					12										13									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
DIVISIONS	DISTRICTS.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	1	1,615	353	......	1	13·08	17·28	15·96	......	1·80	355	128	98	100	149	340	238	204	127	262	135·24	11·64	6·96	9·00	14·52	14·52	12·84	15·96	15·72	39·48
	Bankura	......	1,271	46	......	67	......	16·68	11·88	......	9·48	553	144	85	56	80	180	125	116	117	128	154·08	14·16	6·72	6·12	10·08	12·00	10·20	20·04	22·56	27·48
	Birbhum	......	1,077	288	......	20	......	20·88	21·24	......	16·56	413	116	67	58	77	142	154	125	112	141	236·84	17·40	7·92	5·64	13·80	12·48	15·00	17·28	23·04	36·60
	Midnapore	......	3,222	244	......	210	......	17·28	17·76	......	21·36	776	437	205	155	172	401	395	341	309	484	148·92	19·08	7·08	7·44	9·00	10·08	12·84	17·40	25·92	42·34
	Hughli	......	673	197	......	......	......	15·12	18·12	......	......	135	71	50	30	55	108	130	88	89	114	95·52	14·40	8·76	6·76	11·04	9·96	14·52	13·92	23·32	34·98
	Serampore	......	342	59	......	......	......	13·92	11·88	......	......	90	48	21	6	19	51	37	34	43	54	98·16	16·08	8·52	2·28	7·20	8·64	7·68	9·96	20·40	33·24
	Total (Hughli, including Serampore)	......	1,015	256	......	......	......	14·64	16·20	......	......	225	114	74	36	74	159	167	122	132	168	100·08	15·60	8·64	4·56	9·72	9·48	12·12	12·48	21·60	33·64
	Howrah	......	608	169	......	......	......	14·52	15·24	......	......	169	97	59	25	36	83	80	59	42	127	108·84	17·04	9·00	4·80	7·44	8·16	10·20	11·64	13·32	33·24
Presidency ...	24-Pergunnahs	21	1,601	854	......	......	18·00	16·56	14·52	......	......	419	279	216	117	111	331	254	248	214	249	104·16	16·08	10·68	8·04	8·76	11·28	10·56	15·84	[illegible]	30·48
	Nuddea	3	812	1,042	......	......	5·52	13·32	13·56	......	......	303	269	182	106	101	175	180	160	145	236	95·40	15·84	8·52	7·32	9·96	7·92	9·48	11·52	16·20	27·00
	Jessore	......	806	1,211	......	......	......	12·48	12·36	......	......	187	230	163	130	134	257	260	188	146	277	43·56	12·48	6·72	8·28	10·80	10·56	11·76	11·64	13·92	28·08
	Murshidabad	......	872	818	......	3	......	16·44	16·56	......	22·92	264	241	141	93	96	187	170	180	135	190	111·96	20·40	9·36	9·12	11·64	10·92	11·64	17·40	21·00	29·28
	Khulna	1	453	640	......	......	15·96	10·32	13·80	......	......	147	155	94	57	74	115	101	99	71	181	59·68	14·32	7·32	6·24	9·24	7·20	8·16	11·84	13·68	34·68
Rajshahye ...	Dinajpur	......	1,195	1,336	......	3	......	19·92	17·04	......	24·72	279	320	220	124	171	409	385	257	174	193	95·28	22·08	10·32	9·96	17·76	18·84	20·40	12·12	36·16	31·08
	Rajshahye	1	398	1,559	......	......	99·12	16·64	17·64	......	......	191	327	222	112	106	236	244	239	137	155	73·08	24·12	12·36	9·96	12·12	11·76	15·12	21·48	23·04	23·40
	Rungpore	......	1,504	2,204	......	1	......	22·08	20·64	......	7·08	400	447	276	174	190	512	567	460	308	368	94·92	21·96	10·44	10·32	14·64	17·16	21·12	25·80	29·52	38·40
	Bogra	......	242	1,008	......	......	......	20·52	20·28	......	......	199	204	119	96	72	153	131	106	80	84	155·76	25·20	11·64	15·84	14·40	14·64	14·88	10·32	26·28	23·30
	Pubna	......	461	1,221	......	......	......	14·88	15·36	......	......	165	275	201	140	110	181	121	144	81	167	54·72	18·36	16·56	13·32	13·92	10·68	8·04	14·16	13·20	25·04
	Darjiling	1	536	27	42	2	6·60	50·64	39·48	26·76	37·44	93	134	34	37	46	78	79	45	33	28	357·12	97·44	21·84	25·32	41·76	26·16	37·08	39·60	63·00	48·24
	Jalpaiguri	......	872	409	......	16	......	28·44	23·52	......	42·48	314	156	85	54	63	161	168	120	85	90	233·52	27·12	11·52	10·56	18·12	20·04	23·40	24·48	31·20	33·48
Dacca ...	Dacca	11	998	1,397	......	......	15·00	14·04	13·32	......	......	404	391	192	111	116	203	205	199	149	380	93·72	16·08	6·84	5·88	8·52	7·32	8·76	12·72	15·84	34·32
	Faridpore	......	599	716	......	......	......	11·28	8·76	......	......	201	162	96	63	86	171	144	120	100	172	59·52	9·12	4·80	4·32	8·52	7·68	7·68	9·24	12·12	21·00
	Backerganj	1	717	1,083	......	......	3·12	13·68	15·72	......	......	533	545	203	92	79	174	193	162	165	275	136·80	24·24	9·12	5·64	5·76	6·00	8·68	11·28	13·24	33·24
	Mymensing	......	1,251	2,255	......	118	......	16·12	13·20	......	54·48	391	515	372	178	225	439	384	353	317	450	63·00	15·00	8·88	6·93	10·80	10·32	11·04	15·96	24·36	31·56
Chittagong ...	Chittagong	1	375	1,204	99	......	11·28	16·32	18·00	21·94	......	172	348	174	82	81	178	175	134	122	211	62·40	28·20	11·28	7·20	10·08	12·72	15·24	16·44	21·72	41·04
	Noakhali	1	306	1,016	......	......	20·40	17·28	19·92	......	......	283	322	129	43	46	91	83	77	79	170	145·80	34·44	11·64	5·76	7·92	8·28	9·36	13·20	20·40	47·52
	Tipperah	......	654	1,228	......	......	......	15·04	14·52	......	......	437	272	164	85	107	173	153	124	92	275	147·48	15·60	8·28	6·12	10·08	8·28	9·00	11·16	13·32	41·64
Patna ...	Patna	3	3,168	472	......	......	13·80	24·72	26·76	......	......	1,039	730	228	102	121	315	225	243	232	353	300·96	42·24	11·76	7·20	12·72	12·84	10·44	15·72	27·00	33·96
	Gya	1	3,760	592	......	......	24·72	23·76	30·36	......	......	1,349	735	247	155	115	281	294	287	313	545	378·48	31·68	10·68	6·76	10·08	9·48	11·16	15·24	28·80	51·60
	Shahabad	3	3,044	246	......	......	130·32	20·04	20·04	......	......	962	525	148	90	102	242	270	220	221	467	257·16	25·68	6·48	5·28	9·60	10·32	10·80	13·68	22·08	44·16
	Mozufferpore	1	3,452	442	......	......	32·16	18·24	16·68	......	......	237	529	390	240	178	503	474	451	434	459	63·96	19·44	11·76	11·16	12·72	14·64	14·76	19·92	30·72	33·64
	Durbhanga	......	4,827	479	......	......	......	24·84	18·60	......	......	312	820	664	374	248	564	630	558	444	692	74·28	30·48	19·80	17·64	17·56	15·60	18·72	23·88	31·20	58·80
	Sarun	......	3,585	491	......	......	......	21·36	18·96	......	......	796	799	291	147	147	385	362	331	278	489	125·64	31·68	10·44	7·32	11·88	12·84	12·36	15·08	23·76	41·76
	Chumparun	12	4,321	662	......	......	74·28	35·04	32·64	......	......	511	824	576	277	212	604	617	508	386	483	138·36	48·60	28·32	18·96	22·20	24·96	27·24	33·72	44·52	60·60
Bhagulpore ...	Monghyr	1	4,699	407	......	8	10·92	31·68	26·04	......	13·32	1,290	1,074	423	253	169	359	356	311	345	487	422·76	51·00	17·04	14·52	15·00	14·88	14·64	18·24	33·96	51·60
	Bhagulpore	......	3,779	249	......	......	......	25·68	16·08	......	......	964	731	325	163	126	377	377	327	309	329	313·80	38·04	13·48	9·24	10·68	13·44	14·76	30·52	34·20	41·16
	Purneah	1	1,468	944	......	......	36·60	16·32	14·52	......	......	205	239	134	148	164	412	413	277	186	131	65·04	13·44	7·68	9·24	14·28	15·84	16·92	17·36	23·20	23·28
	Maldah	......	572	497	......	4	......	18·00	18·00	......	27·48	101	209	111	71	54	121	104	84	65	154	61·80	30·00	12·12	11·52	10·56	12·06	12·24	15·00	20·64	42·84
	Sonthal Pergunnahs...	3	1,102	134	......	461	11·76	15·60	14·76	......	9·00	397	258	104	109	98	218	163	107	129	117	152·52	13·56	4·32	7·20	10·32	11·28	9·24	9·84	19·68	18·12
Orissa ...	Cuttack	......	2,561	43	......	......	......	17·52	10·80	......	......	521	346	178	125	149	260	273	158	207	352	168·44	12·36	7·80	7·80	13·08	10·20	13·92	14·08	21·48	37·44
	Puri	1	1,237	20	......	......	14·64	16·92	17·04	......	......	342	156	78	43	65	135	122	68	102	167	254·04	16·44	7·32	5·76	11·64	10·20	11·64	9·60	20·64	40·56
	Balasore	......	1,273	33	......	8	......	16·68	16·56	......	19·68	326	154	67	59	78	152	127	102	89	160	190·44	16·08	5·64	6·72	12·72	11·04	11·52	13·20	19·44	38·76
Chota Nagpore...	Hazaribagh	......	2,177	221	......	195	......	28·20	25·08	......	31·92	731	433	206	122	62	192	222	198	165	262	252·60	32·88	13·20	12·48	9·72	12·72	16·80	24·84	35·76	73·24
	Lohardugga	33	1,508	210	......	1,528	10·80	20·76	32·52	......	29·16	723	640	209	143	178	307	341	246	221	271	203·64	32·16	9·24	9·48	13·48	13·80	18·24	22·32	34·80	50·04
	Singbhum	1	804	6	......	1	3·96	17·28	21·04	......	18·48	98	135	60	39	43	90	83	87	77	95	112·32	21·24	7·68	7·32	10·92	11·64	13·08	21·72	34·20	48·00
	Manbhum	1	2,238	167	......	122	21·72	28·32	44	......	22·08	400	285	244	144	190	352	260	190	173	290	167·64	24·48	16·08	16·08	25·08	25·08	21·24	26·16	36·72	66·72
	TOTAL FOR THE PROVINCE...	103	73,045	29,406	141	2,768	13·12	20·49	16·44	21·12	19·92	19,016	16,334	8,704	5,119	5,105	11,454	10,876	9,162	7,934	11,859	145·92	23·76	10·44	9·00	13·12	13·36	13·56	17·16	24·24	38·16

Office of Sanitary Commissioner for Bengal,
The 12th September 1888.

W. H. Gregg, *Dip. Publ. Health Camb.*,
Offg. Sanitary Commissioner for Bengal.

MEMORANDUM.

For the week ending 1st September 1888, the returns from the principal Municipalities in Bengal disclosed the following results :—

1. That the ratio of births during the period abovementioned stood at 21·2, and that of deaths at 34·8 per 1,000 of population, the records of the preceding week being 18·9 and 32·5 per 1,000, respectively, indicating an improvement in the registration of both the events.

2. That the highest proportions of births and deaths were returned from the following Municipalities :—

Births.

	Ratio per *mille.*
Monghyr	58·8
Bhagulpore	39·9
Gya	35·5

Deaths.

	Ratio per *mille.*
Gya	131·2
Arrah	89·7
Patna	41·8
Uttorpara	37·8
Suburbs of Calcutta	34·5
Chupra	33·2
Midnapore	32·5
Beauleah	31·5

3. That in comparison with the results of the preceding week, fever alone exhibited noticeable increase of mortality, the fatal results from the other diseases showing only fractional differences, and injury presenting no variation, *vide* figures given below :—

	Ratio per *mille* during the weeks ending— 1st September 1888.	25th August 1888.
Cholera	8·8	8·4
Small-pox	......	·1
Fevers	12·0	10·4
Bowel-complaints	3·4	3·1
Injury	·3	·3
Other causes	10·3	10·2

4. That the following Municipalities suffered pre-eminently from cholera, fever, and the maladies coming under the head of 'Other causes,' the rest of the disease abovenamed manifesting no noticeable severity :—

Cholera.

	Ratio per *mille.*
Arrah	59·8
Gya	59·4
Patna	16·2
Chupra	10·7
Suburbs	3·9

Fever.

	Ratio per *mille.*
Gya	38·9
Beauleah	23·6

Other causes.

	Ratio per *mille.*
Gya	31·4
Puri	21·0
Midnapore	17·0
Serampore	15·7
Chupra	14·6
Monghyr	13·6
Bhagulpore	12·7
Arrah	11·9
Suburbs of Calcutta	11·0
Durbhunga	11·0

5. That the death-rates in relation to *Sex*, *Class* and *Age* stood as follows :—

According to Sex.

	Ratio per *mille.*
Males	33·3
Females	36·6
Ratio of male deaths to every 100 female deaths	103

According to Class.

	Ratio per *mille.*
Christians	17·4
Hindus	36·3
Mahomedans	32·2
Other classes	36·4

According to Age.

	Ratio per *mille.*
Under 1 year	269·2
1 and under 5 years	54·5
5 ,, 10 ,,	24·6
10 ,, 15 ,,	16·7
15 ,, 20 ,,	30·3
20 ,, 30 ,,	21·5
30 ,, 40 ,,	21·2
40 ,, 50 ,,	25·6
50 ,, 60 ,,	41·0
60 years and upwards	63·3

W. H. Gregg, M.B., *Dip. Publ. Health, Camb.,*
Offg. Sanitary Commissioner for Bengal.

The 15th September 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 1st September 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.*			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan	Burdwan	18,063	16,017	34,080	5	2	7	7.6	3.0	10.7	250		..	13	2		3	18	..	...	19.6	3.0	.	4.6	27.5	16.8	7	11	20.2	35.7	63
Midnapore ...	Midnapore	16,927	16,633	33,560	13	4	17	20.1	6.2	26.3	325	2	...	3	5	...	11	21	3.1	.	4.6	7.7		17.0	32.5	21.7	11	10	33.8	31.3	110
Hughli	Hughli and Chinsurah ...	19,179	19,539	38,718	8	1	9	10.7	1.3	12.1	800	1	...	6	5	...	1	13	1.3	..	8.1	6.7	..	1.3	17.5	20.1	6	7	16.3	18.3	85
Serampore	Serampore	13,559	12,937	26,496	7	4	11	13.7	7.8	21.6	175	1	...	3	2	...	8	14	1.9	...	5.9	3.9	.	15.7	27.5	27.5	5	9	19.2	36.2	55
	Utterpara	3,046	2,464	5,510	..	...	...	..	...	.	..	...	...	2	...	..	2	4		...	18.9	...	...	18.9	37.8	18.9	1	3	17.9	63.3	33
Howrah	Howrah	53,153	37,660	90,813	17	18	35	9.7	10.3	20.1	94	1	...	12	6	...	9	27	.6	.	6.8	3.4	.	4.6	15.5	13.8	15	12	14.7	16.8	125
	Bali	7,836	6,979	14,815	2	3	5	7.0	10.5	17.5	66	...	..	3	1	.	2	6	...	..	10.5	3.5	...	7.0	21.1	10.5	1	5	6.6	37.2	20
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	54	45	99	11.2	9.3	20.5	120	19	..	64	30	1	53	167	3.9	...	13.2	6.2	.2	11.0	34.5	33.7	92	75	32.5	37.4	123
Nuddea	Kishnaghur	13,263	14,214	27,477	2	...	2	3.7	...	3.7	No female birth.	...	..	5		..	2	7	.	..	9.4	...	...	3.7	13.2	7.5	2	5	7.3	18.3	40
	Ranaghat	4,028	4,655	8,683	1	...	1	6.0	...	6.0	Ditto	.	...	..	..	1		1	...	...	..	..	6.0	...	6.0	..	1	.	12.9	...	No female death.
	Santipore	13,708	15,979	29,687	2	...	2	3.5	...	3.5	Ditto.	...	...	1	...	.		1	...	...	1.7	...	...	...	1.7	17.5	...	1	...	3.8	No male death.
Jessore	Jessore	4,830	3,665	8,495	...	...	...	..	...	..	......	..	...	...		...		...	...	...	...	..	...	..	...	6.1	...	.	...	...	... .
Rajshahye	Rampore Beauleah ...	10,766	9,025	19,791	2	4	6	5.2	10.5	15.8	50	...	..	9	1	...	2	12	..	..	23.6	2.6	...	5.2	31.5	25.9	5	7	24.2	40.3	71
Darjiling	Darjiling*	5,029	2,947	7,976		...	..	..	...	.	...	.	...	2	1	...	...	3	...	...	13.0	6.5	...	..	19.6	19.6	1	2	10.3	33.2	50
Dacca	Dacca	42,782	37,379	80,161	13	3	16	8.4	1.9	10.4	433	1	...	8	6		6	21	.6	..	5.2	3.9	...	3.9	13.6	14.9	10	11	12.1	15.8	90
	Naraingunj	7,605	4,956	12,561	1	3	4	4.1	12.4	16.5	33	.	...	3	..	...	2	5	...	..	12.4	..	...	8.3	20.7	12.4	2	3	13.7	31.5	66
Chittagong	Chittagong	13,340	8,790	22,130	1	6	7	2.3	14.1	16.4	16	..	..	3	...	.	2	5	..	..	7.0	...	.	4.7	11.7	21.1	1	4	3.9	23.7	25
Tipperah	Comillah	8,153	5,353	13,506	5	2	7	19.2	7.7	26.9	250	..	...	1	.	...		1	..	.	3.8	.	.	...	3.8	27.0	1	..	6.3	-	No female death.
Patna	Patna City	78,762	81,475	160,237	28	18	46	9.1	5.5	14.9	155	50	...	38	11	3	27	129	16.2	..	12.3	3.6	1.0	8.7	41.8	34.4	70	59	46.2	37.7	118
Gya	Gya	38,290	37,831	76,121	21	31	52	14.3	[illegible]	35.5	67	87	.	57	2	..	46	192	59.4	...	38.9	1.4	...	31.4	131.2	146.9	84	108	114.1	148.4	77
Shahabad	Arrah	20,960	22,505	43,465	7	8	15	8.3	9.6	17.9	87	50	...	11	4		10	75	59.8	...	13.2	4.8	..	11.9	89.7	53.6	40	35	99.2	86.9	114
Mozufferpore ...	Mozufferpore	23,084	19,658	42,742	10	5	15	12.2	6.1	18.3	200	1	.	3	..	1	8	13	1.2	..	3.6	..	1.2	9.7	15.8	19.4	4	9	9.0	23.3	44
Durbhanga ...	Durbhanga	33,774	32,322	66,096	16	16	32	12.6	12.6	25.2	100	1		15	4	.	14	34	.8	..	11.8	3.1	...	11.0	26.7	16.5	18	16	27.7	25.7	112
Sarun	Chupra	26,044	27,205	53,249	10	16	26	9.8	15.6	25.4	62	11	.	5	2	1	15	34	10.7	.	4.9	1.9	1.0	14.6	33.2	24.4	19	15	37.9	28.7	126
Bhagulpore ...	Bhagulpore	29,640	27,813	57,453	26	18	44	22.6	16.3	39.8	144	..	..	19	..		14	33	..	...	17.2		...	12.7	29.9	27.2	26	7	45.6	13.1	371
Monghyr	Monghyr	28,154	29,366	57,520	25	40	65	22.6	36.2	58.8	62	...	...	13	3	1	15	32	...	...	11.7	2.7	.9	13.6	28.9	30.7	17	15	31.4	26.6	113
Purneah	Purneah	8,463	6,553	15,016	3	.	3	10.3	..	10.3	No female birth.	...	.	3	1	...	1	5	...	...	10.3	3.4	.	3.4	17.3	17.3	3	2	18.4	15.8	150
Puri	Puri	13,247	11,537	24,784	6	6	12	12.6	12.6	25.2	100	...	..	2	1	..	10	13	..	...	4.2	2.1	...	21.0	27.3	16.8	8	5	31.4	22.5	160
	TOTAL ...	702,890	619,691	1,322,581	285	253	538	11.2	9.9	21.2	112	325	...	304	87	8	262	886	8.8	...	12.0	3.4	.3	10.3	34.8	33.5	450	436	33.8	36.6	168

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	9	9	...	...		10·8	15·6	...	...	1	...	4	1	1	5	2	2	1	1	79·8	...	89·2	20·7	16·6	32·8	15·1	23·5	21·2	55·1
Midnapore ...	Midnapore ...	...	16	5	...	...	...	32·0	36·0	...	...	5	1	1	2	1	2	4	...	1	4	349·9	22·1	13·9	34·2	16·5	14·2	37·5	...	25·2	113·7
Hughli ...	Hughli and Chinsurah ...	1	10	2	...	...	226·1	16·4	13·2	...	...	2		2	1	...	1	1	1	2	3	110·3	...	29·9	17·2	...	6·9	7·4	10·1	31·6	62·2
Serampore ...	Serampore ...	...	12	2	...	...	...	24·7	110·9	...	...	4	3	...	1	1	2	...		...	3	263·0	86·4	...	23·4	13·8	19·3	...	...	...	112·1
	Utterpara ...	...	4	...	...	...	...	39·0	...	...	...	...	1	1	...	...	...	2		...		...	123·5	111·6	...	...	...	98·0	...	...	...
Howrah ...	Howrah ...	...	14	12	...	1	...	19·7	30·4	...	215·8	4	2	1	1	...	5	7	4	2	1	100·8	18·8	8·3	7·9	...	11·5	18·9	17·7	18·9	13·9
	Bali ...	...	5	1	...	...	...	19·4	39·7	...	...	1		1	...	1	1	1		1	...	141·6	...	48·8	...	39·0	15·5	18·6	...	49·6	...
24-Pergunnahs ...	Suburbs of Calcutta ...	3	101	63	...	...	38·5	35·0	33·9	...	...	33	16	3	3	11	28	18	13	15	27	390·1	51·5	7·9	8·7	31·7	25·1	18·2	19·9	46·0	98·6
Nuddea ...	Kishnaghur ...		5	2	...	...	...	13·9	12·5	...	...	...	1	2	...	...	1	...	2	...	1	...	21·1	30·3	...	...	10·8	...	31·9	...	39·1
	Ranaghat ...	...	1	...	...	...	...	7·1	...	...	...	...	...	...	...	...		...	...	1	...	...	...	...	...	...	...	...	...	71·8	...
	Santipore ...	...	1	...	...	...	...	2·5	...	...	...	1	...	...	...	...	...	...	...	...	...	61·5	...	...	...	...	...	...	...	...	...
Jessore ...	Jessore ...	...	...	...	...	...	...	...		...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah ...	...	3	9	...	...	...	15·7	47·7	...	...	2	...	1	1	...	1	...	1	3	3	256·2	...	25·0	25·9	...	12·5	...	21·2	125·7	168·0
Darjiling ...	Darjiling ...	...	3	...	...	...	...	34·0	...	...	...	1	1	...	...	...	1	...	...	...	...	429·8	80·9	...	...	...	28·0	...	...	...	...
Dacca ...	Dacca ...	...	13	8	...	...	...	16·7	10·6	...	...	1	3	...		1	4	1	7	1	3	27·4	21·2	...	...	7·1	13·6	4·5	43·4	11·0	28·3
	Narainganj ...	...	2	3	...	...	...	16·4	25·3	...	...	1	1	...	1		...	...	...	...	2	186·4	43·6	...	45·8	...	...	...	...	...	159·5
Chittagong ...	Chittagong ...	...	1	4	...	...	...	9·0	13·6	...	...	...		...	...	1		2	...	...	2	...	...	...	...	21·5	...	31·2	...	...	130·7
Tipperah ...	Comillah ...	...	...	1	...	...	...	...	7·0	...	...	...	...	...	...	...		...	1	...	...	...	...	...	...	...	...	...	39·6	...	...
Patna ...	Patna City ...		98	31	...	...	...	42·5	39·4	...	...	17	17	12	15	7	16	10	7	16	12	205·1	40·6	37·1	54·2	32·6	28·9	22·4	19·3	59·9	45·2
Gya ...	Gya ...	...	157	35	...	...		136·0	113·2	...	...	25	37	19	5	25	13	16	21	21	10	726·1	302·8	141·2	35·6	248·5	45·9	65·3	111·7	166·2	181·0
Shahabad ...	Arrah ...	...	50	25	...	...	...	83·8	104·5	...	...	6	14	6	1	4	13	8	6	2	15	242·2	164·2	60·8	11·8	66·0	86·1	64·7	66·6	33·6	270·5
Mozufferpore ...	Mozufferpore ...	...	8	6	...	...	...	13·9	20·6	...	...	2	4	1	1	...	1	...	2	1	1	103·9	46·6	11·6	13·1	...	6·1	...	20·8	16·0	21·4
Durbhanga ...	Durbhanga ...	...	27	7	...	...	...	29·0	20·7	...	...	13	5	2	...	1	1	4	1	3	4	434·8	34·2	15·3	...	12·9	3·9	18·6	7·1	35·6	63·1
Sarun ...	Chupra ...	...	28	6	...	...	...	35·4	26·0	...	...	8	2	3	3	1	6	5	2	1	3	288·1	19·6	25·3	30·2	14·6	31·8	32·2	16·6	12·3	44·8
Bhagulpore ...	Bhagulpore ...	...	25	8	...	...	...	32·7	24·1	...	...	10	6	3	...	1	5	4	1	...	3	435·5	57·6	26·6	...	12·4	23·8	22·4	8·1	...	45·3
Monghyr ...	Monghyr ...	...	29	3	...	...	...	33·7	12·4	...	...	15	1	...	1	2	6	3	2	2	...	525·3	8·4	...	9·1	27·5	30·2	17·5	16·3	26·2	...
Purneah ...	Purneah ...	...	3	2	...	...	...	17·0	18·3	...	...	1	...	...	...	...	...	2	1	1	...	133·7	...	...	...	...	...	36·4	28·0	55·5	...
Puri ...	Puri ...	...	14	...	...	...	...	27·6	...	...	...	4	...	...	...	...	...	3	5	1	...	636·5	...	...	...	...	...	33·5	78·2	23·3	...
	TOTAL ...	4	638	243	...	1	17·4	30·3	32·2	...	36·4	157	115	62	37	58	112	93	79	75	98	269·2	54·5	24·6	16·7	30·3	21·5	21·2	25·6	41·0	63·3

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 15th September 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Offg. Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1888-89.

Areas leased for Irrigation up to the end of July 1888.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilised.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of areas leased. Five years, all crops.	Five years, kharif.	Annual leases. Kharif.	Rabi.	Sugar-cane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1888-89. During month.	Up to end of month.	Rainfall, 1887-88. During month.	Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inch.	Inch.	Inch.	Inch.	
Orissa	Cuttack	Taldunda, 1st Reach.	1,343	373	2,664 (1st and 2nd Reach)	4,199	4,199	......	6,192	......	......	......	......	......	......	6,192	9·85	15·36	14·04	30·81	
		Taldunda, 2nd Reach.	566	144																	
		Machgong	776	195	128	8,000	17,377	......	15,796	......	......	......	......	......	......	15,796	7·22 9·67	10·32 15·07	15·65 0·00	31·75 7·65	
		Kendrapara	1,067	529	529	22,491	32,507	......	31,596	......	2,334	40	......	......	2,374	33,970	6·02	11·62	8·83	18·82	
		Gobri	372·82	28·75	26·37	180	278	......	490	......	22	......	......	......	22	512	6·75	13·26	16·10	35·20	
		Pattamoondi	885	92·51	63·28	275	3,874	......	3,873	......	8	......	......	......	8	3,881	...	......	...	......	
		High Level, Range I.	608	223·73	154·27	3,710	12,053	......	5,513	......	3	......	......	......	3	5,516	6·85	11·34	12·90	25·40	
		High Level, Range II.	727·16	49·31	49·31	1,078	362	......	906	......	29	......	......	......	29	935	......	......	......	......	
	Balasore	High Level, Range III.	727·16	89·22	89·82	3,795	5,835	......	5,961	......	......	115	......	......	115	6,076	7·15	15·11	15·07	33·26	
		Total	......	......	......	43,728	76,485	......	70,327	......	2,396	155	......	......	2,551	72,878	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	......	91,138	20	555	130	......	......	705	91,843	......	......	......	......	
South-Western.	Midnapore	Midnapore	1,411	712	542	39,067	51,866	......	40,007	......	......	......	......	......	......	40,007	21·30	31·38	17·71	31·22	Whole month discharging.
	Howrah	Panchkoorah	522	63	37	4,028	3,036	......	5,157	......	......	......	......	......	......	5,157	15·08	24·58	20·41	37·28	22 days "
		Tidal Reaches, Ranges I and II.	......	......	......	216	50	......	502	......	......	......	......	......	......	502	......	......	......	......	
		Total	......	......	......	43,311	54,952	......	45,666	......	......	......	......	......	......	45,666	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	......	60,733	......	......	......	......	......	......	60,733	......	......	......	......	
Sone	Shahabad	Western Main	4,342	1,691	80	10,478	12,596	13,111	......	911	......	93	......	201	1,205	14,316	13·09 (Western Main and Buxar)	15·37	6·23	16·62	
		Buxar	1,226	532	232	33,732	39,032	38,981	......	4,359	......	1,259	41	1,958	7,617	46,598					
		Arrah	2,000	1,242	1,056	101,950	72,951	96,187	......	5,024	......	1,483	16	6,813	13,336	109,523	15·01	16·31	6·36	23·01	
	Patna and Gya.	Eastern Main	1,466 (Eastern Main and Patna)	601	508	835	885	866	......	......	......	10	......	......	10	876	18·13 (Eastern Main and Patna)	*22·33	10·76	29·68	* This is the correct figure.
		Patna				33,629	31,289	32,014	......	5,001	......	199	22	......	5,222	37,236					
		Total	......	......	......	180,624	156,776	181,159	......	15,295	......	3,044	79	8,972	27,390	208,549	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	169,195	......	20,555	......	3,943	78	9,246	33,822	203,017	......	......	......	......	
		Grand Total	......	......	......	267,663	283,213	181,159	115,993	15,295	2,396	3,199	79	8,972	29,941	327,093	......	......	......	......	
	Grand Total of the corresponding period of last year		......	......	......	......	......	169,105	151,871	20,575	555	4,073	78	9,246	34,527	355,593	......	......	......	......	

The 15th September 1888.

G. A. G. SHAWE.

Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 15th September 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 15th September 1888.			Week ending Saturday, the 17th September 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	508	96,403	1,616	697	1,32,640	2,290
Jute ...	179	82,850	1,441	113	50,785	881
Firewood ...	143	75,877	1,135	221	96,650	1,432
Other articles ...	907	2,41,997	3,789	845	2,31,945	3,676
Total ...	1,737	4,97,127	7,981	1,876	5,12,020	8,279

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 8th September 1888, on 1,513¾ miles open

	Coaching Traffic. Number of passengers.	Coaching Traffic. Receipts.	Merchandise and Mineral Traffic. Weight carried.	Merchandise and Mineral Traffic. Receipts.	Other earnings (estimated).	Total earnings.	Traffic Train-miles run. Coaching.	Traffic Train-miles run. Merchandise.	Traffic Train-miles run. Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	220,960	2,16,885 14 0	24,82,471 30	4,59,778 11 8	16,189 7 1	6,92,853 0 9	63,679½	72,800½	136,479
Or per mile of railway ...	......	143 4 5	......	303 11 9	10 11 2	457 11 4	......	......	......
For previous 9 weeks of half-year	2,017,224	19,65,565 10 0	2,06,12,297 0	38,41,773 11 6	1,38,855 2 4	59,46,194 7 10	576,738½	683,591½	1,260,330
Total for 10 weeks ...	2,238,184	21,82,451 8 0	2,30,94,768 30	43,01,552 7 2	1,55,043 9 5	66,39,047 8 7	640,417¾	756,391¾	1,396,809
Comparison.									
Total for corresponding week of previous year	233,909	2,25,391 5 4	23,26,310 30	4,73,095 9 3	16,052 11 7	7,14,539 10 2	63,018	81,434	144,452
Per mile of railway corresponding week of previous year	......	148 6 2	......	311 7 2	10 9 1	470 6 5	......	......	......
Total to corresponding date of previous year	2,525,433	25,08,014 1 8	2,19,90,736 10	45,59,545 9 3	1,70,644 8 8	72,38,204 3 7	669,706	833,617	1,502,413

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 10th September 1887. Mean mileage worked.	Receipts.	Per mile worked.	Receipts for week ending 8th September 1888. Mean mileage worked.	Receipts.	Per mile worked.	Total receipts from 1st April 1887 to 10th September 1887. Mean mileage worked.	Total receipts.	Per mile worked per week.	Total receipts from 1st April 1888 to 8th September 1888. Mean mileage worked.	Total receipts.	Per mile worked per week.	Total increase in 1888.	Total decrease in 1888
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	7,14,540	470	1,513¾	6,92,853	458	1,519	1,96,45,754	662	1,513¾	1,85,71,974	533	......	10,73,780

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 8th September 1888, on 57½ miles open.

	Coaching Traffic. Number of passengers.	Coaching Traffic. Receipts.	Merchandise and Mineral Traffic. Weight carried.	Merchandise and Mineral Traffic. Receipts.	Other earnings (estimated).	Total earnings.	Traffic Train-miles run. Coaching.	Traffic Train-miles run. Merchandise.	Traffic Train-miles run. Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,328	4,761 3 0	25,355 0	1,939 7 0	22 14 0	6,723 8 0	1,797	631	2,428
Or per mile of railway	163	83 3 9	443 20	33 14 6	0 6 5	117 8 8	......	......	......
For previous 9 weeks of half-year	*84,136	*39,698 6 0	†3,19,897 30	†19,922 2 0	‡229 12 3	59,850 4 3	15,459	7,093	22,552
Total for 10 weeks ...	93,464	44,459 9 0	2,45,252 30	21,861 9 0	252 10 3	66,573 12 3	17,256	7,724	24,980
Comparison.									
Total for corresponding week of previous year	24,832½	15,563 2 1	26,717 30	1,847 14 0	41 10 0	17,452 10 1	2,025	483	2,508
Per mile of railway corresponding week of previous year ...	434	272 1 4	467 10	32 4 10	0 11 8	305 1 10	......	......	......
Total to corresponding date of previous year	149,960	80,692 12 11	4,01,226 10	25,299 6 0	383 6 9	1,06,375 9 8	18,977	7,197	26,174

* Deducted No. of passengers 172 and added Rs. 285 0 0 }
† Added Mds. 49,323 and „ 805 4 0 } on account of differences between the approximate and audited returns to week ended 4th August 1888.
‡ Deducted „ 9 14 9 }

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 10th September 1887. Mean mileage worked.	Receipts.	Per mile worked.	Receipts for week ending 8th September 1888. Mean mileage worked.	Receipts.	Per mile worked.	Total receipts from 1st April 1887 to 10th September 1887. Mean mileage worked.	Total receipts.	Per mile worked per week.	Total receipts from 1st April 1888 to 8th September 1888. Mean mileage worked.	Total receipts.	Per mile worked per week.	Total increase in 1888.	Total decrease in 1888.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	17,453	305	57½	6,724	118	57½	2,25,538	171	57½	*1,82,408	159	......	43,070

* Added Rs. 1,140 on account of difference between the approximate and audited figures to week ended 4th August 1888.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 8th September 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,953	486 15 0	4,607 10	97 15 0	3 7 0	588 5 0	412½	81	493½
Or per mile of railway	......	40 9 3	......	8 2 7	0 4 7	49 0 5	......	......	......
For previous 9 weeks of half-year	*26,044	*4,310 8 0	†60,812 30	†1,419 2 0	‡49 10 9	5,779 4 9	3,551½	1,124	4,675½
Total for 10 weeks ...	28,997	4,797 7 0	65,620 0	1,517 1 0	53 1 9	6,367 9 9	3,964	1,205	5,169
Comparison.									
Total for corresponding week of previous year	2,757	460 5 9	9,780 0	187 6 0	6 7 0	654 2 9	401	92	493
Per mile of railway corresponding week of previous year ...	......	38 5 10	......	15 9 10	0 8 7	54 8 3	......	......	......
Total to corresponding date of previous year	180,422½	5,028 4 2	86,938 0	1,957 8 0	68 10 3	7,054 6 5	4,130	941	5,071

* Deducted No. of passengers 801 and Rs. 228 0 0 }
† Added Mds. 1,402-30 and deducted „ 100 3 0 } on account of differences between the approximate and audited returns to week ended 4th August 1888.
‡ Deducted „ 28 1 3 }

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	654	55	12	588	49	12	21,655	79	12	*22,207	81	552	......

* Deducted Rs. 356 on account of difference between the approximate and audited figures to week ended 4th August 1888.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 8th September 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,210	2,957 7 0	81,641 0	1,828 14 0	85 12 0	4,872 1 0	626	776	1,402
Or per mile of railway	......	39 8 7	......	24 7 3	1 2 4	65 2 2	......	......	......
For previous 9 weeks of half-year	*41,050	*27,715 10 0	†8,16,963 30	†23,658 14 9	‡1,169 15 9	52,544 8 6	5,843	9,877½	15,720½
Total for 10 weeks ...	45,260	30,673 1 0	8,98,604 30	25,487 12 9	1,255 11 9	57,416 9 6	6,469	10,653½	17,122½
Comparison.									
Total for corresponding week of previous year	4,384½	3,125 1 9	1,85,690 30	6,706 9 0	63 4 9	9,894 15 6	588	2,493	3,081
Per mile of railway corresponding week of previous year ...	......	41 12 6	......	89 10 7	0 13 6	132 4 7	......	......	......
Total to corresponding date of previous year	50,061½	36,651 2 4	9,52,397 10	34,231 11 0	1,041 4 6	73,924 1 10	7,342	14,033	21,375

* Added No. of passengers 430 and Rs. 330 0 0 }
† Ditto Mds. 1,28,917-10 and „ 866 11 9 } on account of differences between the approximate and audited returns to week ended 4th August 1888.
‡ Ditto „ 107 15 9 }

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	9,895	132	74½	4,872	65	74½	1,87,926	109	74½	*1,63,011	95	......	24,915

* Added Rs. 1,305 on account of difference between the approximate and audited figures to week ended 4th August 1888.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 8th September 1888, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	17,528	4,255 7 0	3,844 20	116 2 0	6 0 0	4,377 9 0	938	30	968
Or per mile of railway ...	......	191 4 1	......	5 3 6	0 4 4	196 11 11	......	......	......
For previous 9 weeks of half-year	*160,266	*39,399 9 0	†26,079 10	†963 11 0	‡62 6 9	40,425 10 9	8,368	432	8,800
Total for 10 weeks ...	177,794	43,655 0 0	29,923 30	1,079 13 0	68 6 9	44,803 3 9	9,306	462	9,768
Comparison.									
Total for corresponding week of previous year	18,073½	4,255 8 2	6,001 30	158 12 0	3 4 0	4,417 8 2	933	35	968
Per mile of railway corresponding week of previous year ...	......	191 4 2	......	7 2 2	0 2 4	198 8 8	......	......	......
Total to corresponding date of previous year	174,148	41,617 3 8	39,752 0	1,430 9 0	46 12 3	43,094 8 11	9,734	418	10,152

* Added No. of passengers 315 and deducted Rs. 882 0 0 }
† Ditto Mds. 128 and " 23 12 0 } on account of differences between the approximate and audited returns to week ended 4th August 1888
‡ Ditto " 6 11 9 }

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	4,418	199	22¼	4,378	197	22¼	1,20,165	235	22¼	*1,29,111	253	8,946	......

* Deducted Rs. 817 on account of difference between the approximate and audited figures to week ended 4th August 1888.

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 8th September 1888, on 673 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*160,595	52,434 0 0	728,840 0	1,95,183 0 0	14,241 0 0	2,61,858 0 0	22,705	27,508	50,213
Or per mile of railway	239	78 0 0	1,083 0	290 0 0	†3 0 0	371 0 0	......	......	......
For previous 9 weeks of half-year	1,033,326	4,47,560 0 0	4,564,003 0	10,99,703 0 0	1,22,374 0 0	16,09,637 0 0	197,566	194,671	392,237
Total for 10 weeks ...	1,193,921	4,99,994 0 0	5,292,843 0	12,94,886 0 0	1,36,615 0 0	19,31,495 0 0	220,271	222,179	442,450
Comparison.									
Total for corresponding week of previous year	108,519	48,380 0 0	517,314 0	1,34,784 0 0	10,352 0 0	1,93,516 0 0	21,779	24,666	46,445
Per mile of railway corresponding period of previous year ...	168	75 0 0	802 0	209 0 0	†5 0 0	289 0 0	......	......	......
Total to corresponding date of previous year	1,187,838	4,93,263 0 0	5,257,619 0	10,73,685 0 0	1,14,069 0 0	16,81,017 0 0	212,940	212,535	425,475

* Includes monthly tickets.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,93,516	300	673	2,61,858	389	645	35,28,021	238	674	*38,76,968	250	3,48,947	......

* Audited up to 30th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 8th September 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
l traffic for the week	†31,869	7,548 0 0	1,02,655 0	12,215 0 0	420 0 0	20,183 0 0	3,812	1,860	5,672
er mile of railway	255	60 0 0	831 0	98 0 0	3 0 0	161 0 0	......	......	......
previous 9 weeks of half-ar	207,768	66,792 0 0	3,35,238 0	29,253 0 0	606 0 0	*96,651 0 0	34,403	16,773	51,176
Total for 10 weeks ...	239,637	74,340 0 0	4,37,893 0	41,468 0 0	1,026 0 0	1,16,834 0 0	38,215	18,633	56,848
Comparison.									
l for corresponding week of evious year	23,011	7,717 0 0	46,263 0	4,652 0 0	275 0 0	12,644 0 0	3,469	1,741	5,210
mile of railway corresponding period of previous year ...	184	62 0 0	370 0	37 0 0	2 0 0	101 0 0	......	......	......
l to corresponding date of evious year	250,470	79,761 0 0	4,20,674 0	38,476 0 0	1,426 0 0	1,19,663 0 0	38,031	17,709	55,740

* Audited up to 14th July 1888.
† Includes monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	12,644	101	125	20,183	161	125	2,95,654	103	125	*2,78,636	97	......	17,018

* Audited up to 14th July 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 8th September 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	No. of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	11,880	3,740 0 0	19,837 0	1,227 0 0	200 0 0	5,167 0 0	2,783	322	3,105
Or per mile of railway	138	44 0 0	231 0	14 0 0	2 0 0	60 0 0	......	......	......
For previous 9 weeks of half-year	111,480	35,723 0 0	99,536 0	5,468 0 0	1,793 0 0	42,984 0 0	22,321	5,621	27,942
Total for 10 weeks ...	123,360	39,463 0 0	119,373 0	6,695 0 0	1,993 0 0	48,151 0 0	25,104	5,943	31,047
Comparison.									
Total for corresponding week of previous year	11,520	3,703 0 0	8,273 0	1,074 0 0	616 0 0	5,392 0 0	2,639	325	2,964
Per mile of railway corresponding period of previous year	134	43 0 0	96 0	13 0 0	7 0 0	63 0 0	......	......	......
Total to corresponding date of previous year	114,801	35,789 0 0	108,609 0	7,872 0 0	1,977 0 0	45,638 0 0	27,236	4,410	31,646

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	5,392	63	86	5,167	60	86	1,11,397	56	86	*1,13,016	57	1,619	......

* Audited up to week ending 30th June 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 8th September 1888, on 38 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,417	863 0 0	32,781 0	2,400 0 0	19 0 0	3,282 0 0	532	532	1,064
Or per mile of railway	64	23 0 0	863 0	63 0 0	.....	86 0 0	......	......	......
For previous 9 weeks of half-year	24,831	8,116 0 0	1,63,264 0	11,900 0 0	200 0 0	20,216 0 0	4,914	4,914	9,828
Total for 10 weeks ...	27,248	8,979 0 0	1,96,045 0	14,300 0 0	219 0 0	23,498 0 0	5,446	5,446	10,892
Comparison.									
Total for corresponding week of previous year	2,395	780 0 0	5,357 0	432 0 0	87 0 0	1,299 0 0	546	546	1,092
Per mile of railway corresponding period of previous year ..	61	20 0 0	137 0	11 0 0	2 0 0	33 0 0	......	......	......
Total to corresponding date of previous year	33,921	11,801 0 0	81,241 0	7,164 0 0	499 0 0	19,464 0 0	5,992	5,616	11,608

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,299	33	38	3,282	86	39	59,541	66	39	*67,535	75	7,994	......

* Audited up to week ending 30th June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 8th September 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,537	923 0 0	5,401 0	350 0 0	20 0 0	1,293 0 0	509	254	763
Or per mile of railway	93	34 0 0	198 0	12 0 0	1 0 0	47 0 0	......	......	......
For previous 9 weeks of half-year	24,636	8,981 0 0	87,805 0	5,560 0 0	479 0 0	15,020 0 0	4,581	2,722	7,303
Total for 10 weeks ...	27,173	9,904 0 0	93,206 0	5,910 0 0	499 0 0	16,313 0 0	5,090	2,976	8,066
Comparison.									
Total for corresponding week of previous year	2,913	971 0 0	9,578 0	604 0 0	11 0 0	1,586 0 0	509	254	763
Per mile of railway corresponding week of previous year ...	107	36 0 0	351 0	22 0 0	......	58 0 0	......	......	......
Total to corresponding date of previous year	31,781	11,069 0 0	87,236 0	5,676 0 0	233 0 0	16,978 0 0	5,272	3,176	8,448

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,586	58	27½	1,293	47	27½	40,274	64	27½	42,518	68	2,244	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 8th September 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	35,004	11,068 0 0	1,28,155 0	8,735 0 0	2,605 0 0	22,408 0 0	4,899	4,519	9,418
Or per mile of railway	135	43 0 0	476 0	34 0 0	2 0 0	79 0 0*	......	......	......
For previous 9 weeks of half-year	307,614	97,883 0 0	11,82,816 0	90,175 0 0	23,587 0 0	2,11,645 0 0	48,461	43,587	92,048
Total for 10 weeks ...	342,618	1,08,951 0 0	13,05,971 0	98,910 0 0	26,192 0 0	2,34,053 0 0	53,360	48,106	101,466
Comparison.									
Total for corresponding week of previous year on 240 miles open	39,211	16,577 0 0	88,156 0	13,564 0 0	2,995 0 0	33,136 0 0	6,391	3,629	10,020
Per mile of railway corresponding week of previous year ...	157	67 0 0	354 0	54 0 0	1 0 0	129 0 0*	......	......	......
Total to corresponding date of previous year	398,901	1,40,525 0 0	11,82,868 0	1,05,316 0 0	33,620 0 0	2,79,461 0 0	66,445	46,566	113,011

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 10th September 1887.			Receipts for week ending 8th September 1888.			Total receipts from 1st April 1887 to 10th September 1887.			Total receipts from 1st April 1888 to 8th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	33,136	133	259	22,408	87	249	7,34,794	128	259	7,27,708	122	....	7,086

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 1st September 1888	12,844
Corresponding week last year	8,800
Increase	4,044
Receipts from 1st July to 1st September 1888	96,672
From 1st July to 3rd September 1887	82,775
Increase	13,897
	Miles.
Miles open week ending 1st September 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 1st September 1888	251 13 6
Corresponding week last year	172 8 8
Increase	79 4 10

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SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 26, 1888.

OFFICIAL PAPERS.

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CONTENTS.

CUSTOM HOUSE REGULATIONS.

FINANCIAL DEPARTMENT—CUSTOMS.

Darjeeling, the 24th September 1888.

RESOLUTION.

BY a Resolution dated 27th March the Lieutenant-Governor appointed a Committee to consider and report upon certain points connected with existing Custom House Regulations, with the view of definitely settling questions which have for some years come up periodically for discussion between the representatives of the mercantile community and the Government. The principal matters referred to the Committee were those connected with—(1) Holidays, (2) Overtime charges, (3) General routine of Custom House business.

2. The Committee have now submitted their report. It represents the unanimous conclusions of the members, and the Lieutenant-Governor is glad that, by accepting its recommendations, he will be able to ratify a final settlement of the questions at issue, by which the reasonable requirements of the Commercial body and the servants of Government will be satisfied. His Honour is accordingly pleased to signify his approval of all the proposals contained in the report which is appended to this Resolution. The Board of Revenue will be requested to carry them into immediate effect. Their attention will be specially directed to the suggestion that the arrangements connected with the opening of the Custom House for one hour on those days in the Doorga Pooja holidays on which it has hitherto been closed, should not involve the attendance of Hindoo clerks.

The memorials of the officers of the Preventive Service, on which the Committee have reported, will be separately disposed of.

The Lieutenant-Governor tenders his thanks to the Hon'ble Mr. Steel and Mr. Wylie for their services on the Committee, and for the advice and assistance they have rendered to Government.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

WE, the Members of the Committee appointed under Government orders of the 27th March 1888 to advise upon certain questions connected with the administration of the Custom House and the Preventive Service, have the honour to submit the following report.

It has hitherto been the usage that the Custom House should not be opened on any gazetted holiday for any purpose, free of charge, except on certain days in the long holidays of the Doorga Poojas. This practice appears to us not to be suited to the requirements of the trade of Calcutta. We recommend that for the Custom House, as distinguished from the Preventive Department, Sundays, New Year's Day, Good Friday, the Queen's Birthday, and Christmas Day, should in future be held to be absolutely close holidays; but that on the week days for which the office is closed in the Doorga Poojas, and on all ordinary gazetted holidays, other than the days mentioned above, the Custom House should be opened free of charge for one hour, viz. from 11 A.M. to 12 noon, all work applied for up to 12 o'clock being carried through, provided that notice is given to the Assistant Collector before closing hours on the day previous, or if this be a holiday, 24 hours in advance, that it is required to have the office so opened. On such opening, vessels would be allowed to enter and clear on the import and export sides, and provisional bills-of-entry for free goods as well as shipping bills for free goods issued, but the treasury would, as in Bombay, remain closed. It is understood that arrangements can be made to carry out this in the Doorga Pooja holidays without obliging Hindoo clerks to attend. The above change will further not affect the opening of the Custom House as heretofore on such advertised days as may be fixed on in the Doorga Pooja holidays for the receipt of duty and complete transaction of Custom House business.

Hitherto, when the Custom House has been opened out of regular hours, it has been the practice to charge a fee of Rs. 32 for inward entry and clearance, and Rs. 32 for outward entry and clearance, *i.e.*, Rs. 16 for each operation. We now recommend that the fee be reduced to Rs. 16 per hour for all work required on the import side, and Rs. 16 per hour for all work required on the export side.

As regards the transhipment of goods, we recommend that in future dutiable transhipment goods which have once paid the transhipment fee should not be required to pay it over again when these are shut out and sent subsequently to another exporting vessel.

We also recommend that the Government having formerly admitted in respect of the jetties at Calcutta the principle of payment by Government of the fees to wharf officers for work done out of regulation hours, this concession should now be allowed in respect of such work when required from the wharf officers at the Petroleum Wharf of Budge-Budge. Hitherto the fee of Re. 1 per hour per shed has been taken from the importers requiring the work.

As regards the work, more especially connected with the Preventive Department, we recommend the following changes in practice:—

That in respect of work on boardship there should be no absolutely close holidays as formerly, but that every ship requiring to work on the 1st January, Good Friday, the Queen's Birthday, and Christmas Day, should pay a fee of Rs. 100 for the day, besides the ordinary fees for the number of preventive officers applied for. The Superintendent of the Preventive Service having represented the hardship to him of having to work on these days, we recommend that he should be authorised to treat them as close holidays in respect of his own work.

That in future, instead of an officer being sent to each of the ships requiring to take in or discharge free cargo only on ordinary holidays, every divisional officer should remain on duty when any such ship has applied to work in his division, as though it were a working day, a single holiday fee of Rs. 5 being charged proportionately to the ships under his supervision which require to work in the manner above described.

In respect of salt vessels, we recommend—

That in future the practice as to unloading salt into cargo-boats should be made to conform to the Government rule, and that any boat that applies be allowed to receive salt up to 4½ P.M., the practice of allowing an interval of half an hour for lunch remaining unaltered.

That when a ship that has salt retained on board, but is not working salt, requires to have chipping or other necessary work done below, she should not in future have to pay for the second preventive officer to superintend this work, but that this officer should be supplied by Government.

That when a vessel discharging salt requires to take in at the same time free export cargo or ballast, this should be allowed without a third officer to look after the export cargo, unless the Superintendent of the Preventive Service on some special ground considers a third officer necessary for the protection of the revenue.

That the Board of Revenue should be moved to make arrangements for granting the endorsements on salt rowannahs and issuing the chalans required after the salt has been taken delivery of into boats on all ordinary holidays, including the Doorga Pooja.

Lastly, we suggest the advisability of a manual of the various Custom House Rules in connection with the work of the Preventive Service being prepared by the Superintendent for the use of those who may require it.

In respect of the memorials which have been submitted by certain members of the Preventive Service, we are of opinion that the complaints set forth in them are not real grievances, and we have therefore no recommendations to make.

The Commercial Members of the Committee desire to record their acknowledgment of the readiness with which Mr. Scobell Armstrong has met the wishes of the mercantile community in the course of this enquiry.

We have had before us a note submitted by the Collector of Customs in reply to the criticisms contained in the speech made by the late President of the Chamber of Commerce and published on the 1st March last, and we would suggest that the note be forwarded to the Chamber of Commerce, as desired by the Collector.

COLMAN MACAULAY ... *President.*

ROBERT STEEL
E. D. WYLIE
J. SCOBELL ARMSTRONG } *Members.*

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 22nd September 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
BURDWAN DIVN.			
1	Burdwan Sept. 22, '88	2·11	Weather—hot with occasional showers. Prospects of crops good, except where damaged by floods. Common rice 13 seers per rupee.
	Culna ...	1·02	
	Cutwa ...	0·46	
	Ranigunge ...	1·80	
2	Bankoora " 22, '88	1·82	Weather—hot with occasional showers. *Aus* being reaped. *Amun* doing well.
3	Birbhum " 22, '88	1·93	Weather—fine with occasional storms. Prospects of rice very good, but of sugarcane not very good.
	Rampur Hat ...	0·66	
4	Midnapur " 22, '88	3·57	Weather—getting warmer; occasional showers. The flood water is still lying on much of the country in Sabung, Pataspur and Bhugwanpur thanas, where drainage is at present impossible. In some places the ryots have been re-sowing, and in others planting *boro* for seed. The *amun*, where not damaged, is doing well. The Tamluk report states that all pergunnahs have suffered more or less. In Tamluk pergunnah the outturn is likely to be 8 annas. In Kasijora, Doro, and part of Mondul Ghat, the damage has been greatest; three-eighths of Doro are thought to have been properly protected. Estimates at this date can, however, be only very rough ones.
5	Hugli " 22, '88	1·66	Weather—seasonable. Re-transplantation going on in flooded tracts where seedlings are available. Prospects of crops on high lands good.
	Serampur ...	3·42	
	Jehanabad ...	2·36	
	Howrah " 24, '88	1·46	Weather—seasonable. Much paddy lost through floods, otherwise prospects promising.
	Oolooberiah ...	1·71	
	Central Districts.		
PRESIDENCY DIVN.			
6	24-Perghs. Sept. 25, '88	1·86	Weather—Signs of breaking up of rains; cold-weather look in the morning. Prospects of the late rice crops very unfavourable in a considerable number of villages in the Diamond Harbour sub-division, which suffered from floods after the heavy rain at the end of August. In the other sub-divisions, with the exception of the crops in a few places which were also flooded, prospects are good. Harvesting of *aus* continues.
7	Nuddea " 22, '88	1·56	Weather—cloudy. Floods subsiding. *Aus* harvest finished in Meherpore and continues elsewhere. Outturn estimated at 12 annas in Ranaghat sub-division; 10 annas in Meherpore and Chuadanga; 6 annas in Sudder and Kushtea. Prospects of *amun* good in Ranaghat and Chuadanga; poor elsewhere. Sowing of *kalai* begun.
	Kushtea ...	1·00	
	Meherpur ...	0·65	
	Chooadanga ...	1·15	
	Ranaghat ...	1·71	
8	Khoolna " 22, '88	2·69	Weather—hot with occasional showers. State and prospects of crops generally good.
9	Jessore " 22, '88	2·90	Weather—rather hot. Rivers going down. *Aus* harvesting nearly at an end. Prospects of *amun* fair. Jute manufacture going on. Average price of rice 19½ seers per rupee.
	Jhenidah ...	1·41	
	Magoora ...	0·96	
	Narail ...	0·62	
	Bongong ...	1·90	
10	Moorshedabad " 22, '88	1·83	Weather—bright and hot. *Amun* getting on nicely. Harvesting of *bhadoi* still going on in Lalbagh sub-division. *Kalai* is being sown. Bhagiruthee fallen down considerably.
	Lalbagh ...	0·61	
	Kandi ...	0·61	
	Jangipur ...	0·95	
RAJSHAHYE DIVN.			
11	Dinagepur " 22, '88	0·97	Weather—hot and cloudy. More rain wanted for the standing crops.
	Thakurgaon ...	2·70	
12	Rajshahye " 22, '88	1·33	Weather—cool. Prospects of crops generally good.
	Nattore ...	2·40	
	Nowgong ...	1·84	
13	Rungpur " 22, '88	1·96	Weather—hot and cloudy. *Amun* prospects improved. Jute being cut and steeped.
	Gaibandha ...	1·5	
	Kurigram ...	1·25	
	Nilphamari ...	2·16	
14	Bogra " 22, '88	1·97	Weather—warm with occasional showers. Harvesting of *aus* nearly completed; outturn about 8 annas. *Amun* is thriving well. Condition of sugarcane good. Price of common rice steady.
	Sherpur ...	1·3	
	Naukhila ...	1·57	
15	Pubna " 22, '88	0·83	Weather—hot, cloudy and rainy. Rivers subsiding. Prospects of *amun* good, but not everywhere the same owing to the fall of water. Jute and sugarcane now seem better. Reaping of *aus* finished.
	Serajgunge ..	1·05	
16	Darjeeling " 22, '88	3·53	Weather—warm with passing showers. Terai crops require more rain. Crops in the hills doing well.
17	Julpigoree " 22, '88	4·28	Weather—hot and cloudy. Harvesting of *aus* paddy over except in thana Boda, where it is still going on. The slight rain that has fallen in the Alipore sub-division has done some good to the *haimanti* seedlings. Transplantation is quite stopped. More rain urgently wanted. *Bhadoi* crop good everywhere. Good rain at Julpigoree.
	Eastern Districts.		
DACCA DIVN.			
18	Dacca Sept. 22, '88	0·40	Weather—hot. *Aus* paddy and jute nearly harvested; outturn good. *Amun* paddy thriving. Prospects of crops good.
	Manickgunge ...	0·48	
	Munshigunge ...	1·70	
	Naraingunge ...	1·58	
19	Furreedpur " 22, '88	1·40	Weather—seasonable. Prospects of crops fair.
	Goalundo ...	0·45	
	Madaripur ...	2·01	
20	Backergunge " 21, '88	1·44	Weather—seasonable. Prospects of crops fair, except in Bhola, where the state of the crops is reported to be unpromising. Damage by insects and floods still reported in places.
21	Mymensingh " 21, '88	2·35	Weather—hot with occasional rain. Prospects of crops good.
	Jamalpur ...	2·20	
	Kishoregunge ...	3·74	
	Attia ...	1·21	
	Netrokona ...	2·69	

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Eastern Districts—concld.		
CHITTAGONG DIVN.	22	Chittagong Sept. 25, '88	4·40	Weather—seasonable. *Aus* still being harvested. Transplantation continues. Paddy seedlings destroyed by floods in some places Prices steady.
	23	Noakholly „ 21, '88	3·51	Weather—warm, sultry, generally clear. Recent rain has done good to the transplanted *amun*. Prospects very fair.
		Fenny ...	4·49	
	24	Tipperah „ 20, '88	2·94	Weather—seasonable; sun and rain alternately. Prospects of crops excellent, there being plenty of water everywhere. Plants strong and healthy
		Brahmanbariah .	2·85	
		Chandpur ...	1·49	
	25	Chittagong Hill Tracts. „ 19, '88	2·58	Weather—excessively hot throughout the week; 14th and 17th were rainy in the evening. Harvesting of *jum* paddy still continues. Transplanting of late rice crop in low lands still continues in some places. Prospects of paddy crop not good.
		Hill Tipperah „ 20, '88	2 21	Weather—moist with occasional showers. *Amun* paddy doing well Prospects of *jum* crops fair.
BEHAR				
PATNA DIVN.	26	Patna „ 22, '88	0·58	Weather—clear. Transplantation of paddy almost completed. *Bhadoi* outturn will be very poor, perhaps two annas throughout district. Rice crop much damaged by floods. Fodder scarce. Prices of food-grains high.
		Barh	1 15	
		Behar .	1 51	
		Dinapur .	0·60	
	27	Gya „ 22, '88	0 51	Weather—hot. *Bhadoi* crops being harvested. Paddy coming on well.
	28	Shahabad „ 22, '88	0 18	Weather—bright and clear almost the whole week Harvesting of *bhadoi* crops nearly completed. Prospects of paddy and sugarcane fair. Prices rising.
		Buxar .	1 46	
		Sasseram	1 02	
	29	Durbhunga „ 22, '88	0 72	Weather—hot. *Bhadoi* crops still being harvested. More rain wanted for rice crop. Indigo manufacture still going on. Prices rising, common rice 14¼ seers per rupee.
	30	Mozufferpur „ 22, '88	1 10	Weather—hot and cloudy. Transplantation of paddy almost over, but rain urgently wanted in the north of the Sitamarhi sub-division, where in some parts paddy has not been transplanted for want of rain. Reaping of *bhadoi* crops has commenced.
		Hajipur	0 74	
		Sitamarhi	0 70	
	31	Sarun „ 22, '88	0 90	Weather—seasonable. Prospects of crops continue good.
		Gopalgunge	0 57	
	32	Chumparun „ 22 '88	0 29	Weather—hot and fair. Transplantation of paddy almost completed, but rain wanted in some parts of the district *Bhadoi* being harvested, with fair outturn.
BHAGULPORE DIVN.	33	Monghyr „ 22, '88	0 49	Weather—bright and hot; west wind prevailing since 21st. Winter rice coming on well, except on flooded parts. Harvesting of *bhadoi* crops continues.
		Beguserai	1 19	
		Jamui	0 60	
	34	Bhagulpur „ 22, '88	1 60	Weather—seasonable. Prospects of crops good
		Banka	1 02	
		Mudehpura	2 47	
		Soopole	2 07	
	35	Purneah „ 22, '8	1 49	Weather—hot and showery. *Bhadoi*, 12 annas outturn; jute, 16 annas outturn, *aghani*, 12 annas, doing well, 4 annas not transplanted. More rain wanted
		Kishengunge ...	2 31	
		Arrareah	1 13	
	36	Maldah „ 22, '88	1 65	Weather—fair and hot. Winter rice and *kalai* crops doing well. Rain needed in some parts for winter rice
		Chanchal ...	0 50	
		Shibgunge .	1 38	
		Gajol	1 98	
	37	Sonthal Perghs „ 22, '88	1 28	Weather—fair with occasional sudden showers. *Bhadoi* crops deficient *Janera* short and rice spoilt by floods. *Aghani dhan* prospects excellent. *Kalai* sowing begins.
		Deoghur ..	2 30	
		Godda	1 20	
		Jamtara .	77	
		Pakour	3·56	
		Rajmehal ..	2 27	
ORISSA				
ORISSA DIVN.	38	Cuttack „ 21, '88	4 38	Weather—cloudy and hot Cyclone of 16th caused damage in some places to *beali* rice, which was ripening. Low *sarad* lands that suffered to some extent are again being transplanted. Rainfall of last week was favourable for rice crop Price of rice almost unchanged
	39	Pooree „ 20, '88	3 28	Weather—seasonable. Rainfall during the week has done great good to the winter rice crop in general. Early rice (*beali*) is being harvested. The cyclonic storm has done damage to early rice, mandia and other crops. Common rice 19 seers 6 chittacks per rupee in the Sudder sub-division and 16 seers 6 chittacks in the Khoordah sub division.
		Khoordah	7 65	
	40	Balasore „ 21, '88	6 42	Weather—cyclonic early in the week; now more settled *Aus* rice and *til* being harvested. *Sarad* rice and other crops doing well outside flooded areas.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
CHOTA NAGPORE DIVN.	41	Hazaribagh Sept. 21, '88	2 77	Weather—seasonable. Moderate rain. Indian-corn, *murua* and *goondli* being harvested, outturn fair, except of Indian-corn, which has suffered considerably from excessive rain. Prospects of winter rice very good Oil-seeds being sown. Lands being prepared for *rubbi* crops
	42	Lohardugga „ 22, '88	1 35	Weather—seasonable, sunshine and rain during the week. Early paddy being harvested. Prospects of crops good. Prices stationary.
		Palamow ...	2 12	
	43	Singbhoom „ 21, '88	1 52	Weather—seasonable. Indication of rains breaking up Prospects excellent in all parts. *Bhadoi* will probably give an outturn of 12 annas all round.
	44	Manbhoom „ 22, '88	2 46	Weather—bright and warm. Autumn crops being reaped; probable outturn varies from 10 to 11 annas. Prospects of rice excellent.
		Govindpur	0 70	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 25th September 1888.

H. J. S COTTON,
Offg. Secy. to the Govt. of Bengal.

***PRICES-CURRENT** (retail) of Food-grains, Firewood and Salt in the*

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL															
	Western Districts.															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	12 10	12 12	15 0	No sale.			15 0	15 0	17 4	18 12	19 8	24 0	...	...	...
2	Bankoora ...	11 8	13 8	15 0	16 0	15 8	20 0	17 8	17 8	18 0	21 0	18 4½	23 2		...	...
3	Beerbhoom ...	13 8	13 8	16 8	...	...	...	15 8	15 0	17 4	18 0	18 0	22 8	...	...	...
4	Midnapore ...	13 5	13 5	15 0	40 0	40 0	...	16 0	16 0	18 8	21 0	21 0	24 0	...	..	...
5	Hooghly ...	14 0	14 0	14 0	...	...	...	10 0	10 0	10 0	15 0	18 0	16 0	...	...	...
	Howrah ...	Not	available.		...	...	...	12 8	12 8	13 5	17 12	17 12	18 8	.	..	...
	Central Districts.															
	Calcutta ..	12 7	13 1	14 4	16 5	18 3	19 14	11 3	11 6	8 12	16 10	17 10	16 4	17 0	17 12	19 12
6	24-Pergunnahs	12 8	13 4	14 0	16 0	18 8	26 8	8 0	8 0	8 8	16 8	17 8	16 6	...	...	...
7	Nuddea ...	14 3½	14 3½	16 6	17 12	20 0	36 0	14 8	14 8	16 0	21 8	21 8	20 8	...	...	...
8	Khoolna ..	...	...	...	...	...	...	16 0	16 0	17 0	21 0	19 0	20 0	...	...	...
9	Jessore ...	14 0	15 0	15 0	...	...	..	15 0	16 0	16 0	20 0	19 0	23 0	....	.	..
10	Moorshedabad	14 8	15 0	16 0	...	...	...	15 0	14 0	16 0	19 0	18 0	21 0	...	...	..
11	Dinagepore .	16 0	15 4	14 8	20 0	22 8	22 8	18 0	18 4	16 0	21 8	22 0	20 8	...	...	...
12	Rajshahye ...	15 12	15 12	18 0	45 0	45 0	45 0	15 0	15 0	16 8	19 8	19 2	20 4	...	...	...
13	Rungpore ...	18 4	17 12	18 12	...	...	...	15 1	13 0	14 8	18 4	20 0	20 0	...	...	...
14	Bogra ..	17 4	15 0	15 0	...	...	...	15 12	13 8	18 0	22 8	21 12	24 0	...	...	...
15	Pubna ...	18 0	18 12	18 0	...	...	...	8 0	8 0	8 0	22 8	19 8	22 8	...	...	...
16	Darjeeling ...	10 0	10 0	...	10 0	10 0	13 0	5 0	5 0	5 0	14 0	14 0	12 0	...	...	...
17	Julpigoree ...	13 0	14 0	13 0	20 0	20 0	20 0	13 0	12 0	13 0	20 0	19 0	18 0	...	...	...
	Eastern Districts.															
18	Dacca ...	14 0	16 0	14 8	26 0	26 0	26 0	15 0	17 0	17 0	17 0	19 0	19 0	...	...	...
19	Furreedpore ...	21 0	18 0	14 0	32 0	25 0	24 0	16 0	15 0	19 0	20 0	20 0	22 0	...	...	...
20	Backergunge ...	...	...	...	...	...	...	14 9	15 4	17 0	16 0	18 4	20 0	...	...	...
21	Mymonsingh ...	10 8	12 0	12 0	...	...	...	12 8	13 0	12 8	18 0	18 12	18 0	...	...	...

A In sub-divisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 10 seers 6 chittacks, and Raneegunge 1[illegible] seers.
B At Rampore Hât retail price of salt 11½ seers per rupee.
C In sub-divisions retail prices of salt per rupee are :—Ghattal 11¾ seers, Tumlook 8 seers, and Contai 9½ seers.
D At Serampore retail price of salt 11 seers per rupee.
D1 In sub-divisions retail prices of salt per rupee are :—Baraset, Bussirhat and Diamond Harbour 9 seers, Barrackpore 9½ seers, and Dum-Dum 10 seers.
E In sub-divisions retail prices of salt per rupee are :—Kooshtea, Chooadanga, and Ranaghat 10 seers, and Meherpore 10½ seers.
F In sub-divisions retail prices of salt per rupee are :—Satkhira 9 seers 2½ chittacks and Bagirhat 8 seers.
G In sub-divisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura and Bongong 10 seers, and Narail 7½ seers.

Head-quarter Station Bazars of the Districts of Bengal on the 15th September 1888.

Indian-corn or Maize (*Zea Mays.*)			Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Ch. S.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
															BENGAL
															Western Districts.
	No sale		21 5	22 0	30 0	120 0	120 0	120 0	A 11 2½	11 0½	13 12	3 8 0	3 8 3	2 13 3	Burdwan.
26 0	26 0	30 0	21 0	20 0	20 0	280 0	280 0	280 0	10 0	10 0	12 0	3 15 0	4 0 0	3 3 0	Bankoora.
...	...	...	13 8	13 8	13 8	160 0	160 0	160 0	B 10 0	10 0	12 12	3 13 0	3 13 0	3 0 0	Beerbhoom.
...	...	...	14 0	14 0	13 0	120 0	120 0	120 0	C 10 8	10 8	13 0	3 12 0	3 12 0	3 1 0	Midnapore.
...	...	...	13 0	13 0	13 0	120 0	120 0	120 0	D 9 0	9 0	13 8	4 6 0	4 6 0	2 14 0	Hooghly.
	...	...	13 4	13 4	14 4	100 0	100 0	100 0	10 8	10 0	12 13	3 9 0	3 10 0	2 14 0	Howrah.
															Central Districts.
17 12	16 14	17 8	17 14	18 4	18 0	95 0	96 4	80 0	10 12	10 10	13 0	3 7 1	3 7 6	3 0 0	Calcutta.
...	...	...	18 0.	20 0	19 0	100 0	100 0	90 0	D1 10 8	10 8	12 8	3 8 0	3 7 0	2 15 6	24-Pergunnahs.
...	...	...	17 12	17 12	20 0	...	...	...	E 9 2	9 2	11 10½	3 14 0	3 14 0	3 0 0	Nuddea.
...	.	...	...	...	...	160 0	170 0	160 0	F 10 0	9 0	10 8	4 0 0	4 0 0	3 12 0	Khoolna.
...	...	...	20 0	20 0	20 0	100 0	100 0	100 0	G 10 0	10 10	10 12	4 0 0	3 14 0	3 2 0	Jessore.
...	...	...	20 0	20 0	20 0	200 0	200 0	(9) 0	H 10 8	10 8	12 0	3 12 0	3 12 0	3 5 0	Moorshedabad.
...	...	..	10 8	9 4	11 0	160 0	140 0	160 0	10 0	10 0	12 8	3 14 0	3 14 0	3 2 0	Dinagepore.
...	...	...	11 12	13 8	16 8	240 0	240 0	240 0	9 12	9 12	12 0	3 13 4	3 13 4	3 1 3	Rajshahye.
...	...	...	11 8'	9 2	8 10	120 0	120 0	120 0	I 10 0	10 0	10 5	4 0 0	4 0 0	3 8 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	10 3½	9 12	12 0	3 14 8	3 13 4	3 2 8	Bogra.
...	...	...	22 8	21 0	18 12	200 0	200	200 0	J 10 0	10 0	12 0	4 0 0	4 0 0	3 5 0	Pubna.
20 0	20 0	24 0	8 0	8 0	8 0	120 0	120 0	120 0	K 8 0	8 0	9 0	5 0 0	5 0 0	4 4 0	Darjeeling.
20 0	20 0	...	12 0	11 0	11 0	128 0	128 0	120 0	L 9 0	9 0	11 0	4 0 0	4 0 0	3 4 0	Julpigoree.
															Eastern Districts.
...	...	...	18 0	16 0	18 8	120 0	120 0	120 0	M 10 0	8 8	12 8	3 12 0	4 4 0	3 3 0	Dacca.
...	...	...	...	...	...	120 0	120 0	160 0	9 0	9 0	12 0	4 5 0	4 5 0	3 1 0	Furreedpore.
...	..	...	11 7	11 7	13 0	100 0	100 0	120 0	N 10 0	10 0	13 0	4 0 0	4 0 0	3 0 0	Backergunge
...	...	...	10 8	16 0	12 8	...			O 10 0	9 8	12 0	4 0 0	4 0 0	3 4 0	Mymensingh.

H In sub divisions retail prices of salt per rupee are :—Lallbagh 10½ seers, Kandi and Jungipore 10 seers.
I In sub-divisions retail prices of salt per rupee are :—Nilphamari 10 seers and Gaibanda 7½ seers.
J At Serajgunge retail price of salt 10½ seers per rupee.
K At Silliguri retail price of salt 9 seers per rupee.
L At Fallacutta in the Alipore sub-division retail price of salt 8 seers per rupee.
M In sub-divisions retail prices of salt per rupee are :—Manickgunge 9 seers, Munshigunge 9¾ seers, and Naraingunge 10 seers.
N In sub-divisions retail prices of salt per rupee are :—Patuakhali 8 seers, Perozepore 9 seers, and Bhola 10½ seers.
O In sub-divisions retail prices of salt per rupee are :—Kishoregunge and Sherpore 8 seers, Attea 10 seers, Jamalpore 9½ seers, and Netrokona 9 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year
	Eastern Districts—concluded.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	10 8	10 8	10 0	...	...	...	13 0	13 0	13 0	19 11	19 11	19 0	.	...	..
23	Noakholly ...	...	...	...	...	...	...	17 0	18 0	18 0	22 0	20 0	20 0	...	...	...
24	Tipperah ...	11 8	12 8	11 12	...	...	...	16 8	15 8	17 13	20 0	20 0	25 4	.	..	..
25	Chittagong Hill Tracts.	...	...	...	...	...	...	12 4¾	10 0	12 4	13 5	11 6¾	13 5	...	...	..
	Hill Tipperah ...	8 0	8 0	12 0	...	...	...	10 0	10 0	12 0	20 0	20 0	17 0	...	...	...
	BEHAR.															
26	Patna ...	17 0	18 0	19 0	22 0	22 8	28 0	11 5	11 5¼	11 8	17 3	18 0	21 8	...	...	26 0
27	Gya ...	14 8	15 8	16 0	18 0	18 0	34 0	10 0	11 0	9 8	14 4	15 0	9 8	...	...	...
28	Shahabad* ...	......	......	.. ...	...	...	...	...	...	...	...	...	...	...	...	..
29	Durbhunga ...	14 0	16 8	18 10	22 0	25 5	33 0	14 0	12 1	14 4	14 8	15 6	17 8	...	...	...
30	Mozufferpore ...	13 0	16 0	21 0	24 0	25 0	30 0	12 0	12 0	12 0	15 8	16 0	22 0	..	...	...
31	Sarun ...	16 4	15 14	18 0	20 4	20 4	29 0	9 0	9 0	8 8	16 0	16 12	21 0	...	...	...
32	Chumparun ...	17 0	17 8	22 0	26 0	28 0	36 0	8 8	9 0	8 0	18 0	18 8	17 0	.	...	..
33	Monghyr ...	15 4	15 12	22 0	20 0	21 0	33 9	12 1	13 2	13 14	13 10	14 12	16 13	...	...	...
34	Bhagulpore ...	16 2	15 12	20 3	20 3	22 11	37 14	12 10	13 14	16 6	15 10	16 6	18 15	.	...	...
35	Purneah ...	15 0	15 0	16 0	...	...	32 0	14 0	16 0	16 0	16 0	20 0	17 0	...	...	...
36	Maldah ...	16 0	17 0	18 0	...	...	...	12 0	13 5	13 0	20 0	20 5	23 0	...	...	...
37	Sonthal Perghs.	12 0	12 0	14 0	...	...	...	14 0	12 8	16 0	18 0	14 0	25 0	.	...	...
	ORISSA.															
38	Cuttack ...	13 2	15 12	17 1	...	...	...	10 8	10 8	10 8	17 1†	17 1	18 6		...	...
39	Pooree ...	13 2	14 7	11 13	...	...	...	11 13	10 8	13 2	19 11	18 6	21 0	...	...	...
40	Balasore ...	12 8	13 0	13 0	13 0	13 0	13 0	13 0	13 0	15 0	21 6	21 6	25 0	..	..	...
	CHOTA NAGPORE. *South-West Frontier Agency*															
41	Hazaribagh ...	12 0	12 8	16 0	13 0	14 0	20 0	7 0	7 0	10 0	13 0	11 0	18 0	Not procurable.		
42	Lohardugga ...	11 0	11 0	20 0	...	–	24 0	13 0	13 8	16 0	15 0	15 0	22 0	...	...	...
43	Singbhoom ...	14 0	14 0	20 0	20 0	20 0	[illegible]2 0	12 0	12 0	20 0	16 0	16 0	24 0	...	...	...
44	Manbhoom ...	12 5	12 8	16 0	...	30 0	...	14 0	12 [illegible]	16 0	[illegible]9 8	18 0	28 0	...	...	...

* Return not received.

† Retail price of common rice at Jajpore 26¼ seers per rupee and at Kendrapara 32 seers 13 chittacks per rupee.

P At Cox's Bazar retail price of salt 8 seers per rupee.

Q At Panchgotchia Hât in Fenny sub-division retail price of salt 8 seers per rupee.

R At Jajpore retail price of salt 10 seers per rupee.

S At Hajipore retail price of salt 10 seers per rupee.

CALCUTTA,

The 25th September 1888.

Station Bazars of the Districts of Bengal on the 15th *September* 1888—(concluded).

Indian-corn or Maize. (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
															Eastern Districts—concluded.
...	...	...	9 0	9 0	11 0	110 0	110 0	75 0	P 9 0	9 0	8 0	3 14 0	3 14 0	4 8 0	Chittagong.
...	...	...	...	...	...	...	...	...	Q 8 0	8 0	9 0	4 8 0	4 8 0	3 12 0	Noakholly.
...	...	...	10 0	10 0	9 8	...	...	...	8 0	8 9	12 0	4 10 0	4 10 0	......	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	5 0 0	5 0 0	4 8 0	Chittagong Hill Tracts.
...	...	...	12 0	12 0	16 0	...	...	...	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
															BEHAR.
...	...	40 0	25 0	26 0	26 0	180 0	180 0	120 0	10 0	10 0	11 12	3 10 0	3 10 0	3 1 6	Patna.
...	...	...	18 8	22 0	21 0	200 0	220 0	150 0	9 8	9 8	11 0	4 4 0	4 4 0	3 5 0	Gya.
...	...	...	...	...	...	...	...	...	...	...	...	......	......	......	Shahabad.
25 0	22 0	38 7	20 0	26 6	20 13	160 0	176 0	176 0	R 10 0	11 0	12 0	4 0 0	3 10 2	3 0 0	Durbhunga.
23 0	25 0	40 0	23 0	26 0	20 0	160 0	160 0	120 0	S 10 0	10 0	12 0	3 12 0	3 12 0	3 4 0	Mozufferpore.
21 8	20 0	31 0	22 4	23 4	24 0	160 0	160 0	160 0	10 4	10 4	12 0	3 12 0	3 13 0	3 2 0	Sarun.
23 0	25 0	32 0	23 0	28 0	22 0	160 0	160 0	160 0	T 10 0	10 0	12 0	3 13 0	3 14 0	3 4 0	Chumparun.
21 1	22 9	34 10	22 1	23 10	24 2	126 0	126 0	126 0	U 9 8	10 0	12 9	4 0 0	3 14 6	2 14 6	Monghyr.
23 0	24 0	35 5	20 3	22 11	21 7	151 8	151 8	151 14	10 11	10 2	12 10	3 3 3	4 0 0	3 3 3	Bhagulpore.
...	...	...	16 0	18 0	18 0	120 0	120 0	160 0	V 9 0	9 0	10 8	4 0 0	......	3 10 0	Purneah.
...	...	...	...	...	...	160	160 0	120 0	9 8	9 8	12 0	4 0 0	4 0 0	3 4 0	Maldah.
...	...	60 0	20 0	20 0	26 0	200 0	200 0	200 0	9 0	9 0	11 8	4 4 0	4 2 0	3 1 0	Sonthal Pergbs.
															ORISSA.
...	...	...	19 11	18 6	18 6	80 0	80 0	80 0	8 0	8 0	14 0	4 7 0	4 7 0	2 12 0	Cuttack.
...	...	...	13 2	13 2	14 7	80 0	80 0	70 0	10 8	9 3	14 7	3 8 0	4 0 0	2 10 0	Pooree.
...	...	...	13 0	13 0	13 0	140 0	140 0	160 0	W 9 0	9 0	10 8	4 0 0	4 0 0	3 4 0	Balasore.
															CHOTA NAGPORE. *South West Frontier Agency.*
15 0	15 0	30 0	15 0 (small.)	5 0	21 0	320 0	320 0	320 0	8 0	8 0	10 0	4 5 0	4 5 0	3 6 0	Hazaribagh.
...	...	40 0	20 0	18 0	28 0	140 0	140 0	120 0	7 8	7 8	10 0	5 2 0	5 0 0	3 12 0	Lohardugga.
...	...	...	20 0	20 0	20 0	240 0	240 0	320 0	6 8	6 8	9 0	5 8 0	5 8 0	4 0 0	Singbhoom
...	26 0	48 0	19 0	19 0	22 0	200 0	200 0	0J 0	X 8 0	8 0	10 10	4 4 0	4 6 0	3 8 0	Manbhoom.

T At Bettiah retail price of salt 10 seers per rupee.
U In subdivisions retail prices of salt per rupee are:— Beguserai 9½ seers and Jamui 9 seers.
V At Kishengunge retail price of salt 9 seers per rupee.
W At Bhudruck retail price of salt 9 seers per rupee.
X At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ..	2 15 3	2 12 10	2 10 3	2 3 0	1 15 4	1 8 6	3 5 3	3 4 9	3 12 0	2 1 5	2 0 2	2 1 6
2	Serajgunge ...	2 2 0	1 14 0	1 14 0	...	...	...	3 8 0	3 4 0	3 10 0	2 2 0	2 2 0	1 14 0
3	Dacca ...	2 13	2 8 0	2 7 0	1 6 0	1 6 0	1 8 0	2 8 0	2 4 0	2 6 0	2 4 0	2 0 0	2 0 0
4	Naraingunge	...	...	...	...	...	...	2 0 0	2 4 0	...	1 12 0	2 0 0	...
5	Chittagong ..	3 4 0	3 4 0	3 7 0	...	...	...	3 12 0	3 12 0	3 0 0	2 0 0	2 0 0	2 2 0
6	Patna ...	2 5 0	2 3 0	2 0 0	1 12 0	1 11 6	1 5 3	3 7 0	3 7 0	3 0 0	2 4 6	2 3 0	1 14 0
7	Balasore ...	3 2 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	2 8 0	1 11 0	1 11 0	1 7 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 15 0	2 0 6	1 14 0
9	Cuttack ...	3 0 0	2 5 0	2 2 0	...	...	...	3 10 0	3 10 0	3 10 0	2 2 0	2 2 0	2 2 0

CALCUTTA,
The 25th September 1888.

undermentioned Marts of Bengal on the 15th September 1888.

Gram, Chana, Chhola, Kadalay or Sunada. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 1 7	1 14 9	1 11 6	2 0 0	2 1 9	2 4 0	1 15 8	1 14 7	2 0 0	0 6 3	0 6 2	0 6 9	3 7 1	3 7 6	3 0 0	Calcutta.
2 6 0	2 5 0	1 13 0	...	...	...	...	...	...	...	...	...	3 11 0	3 10 0	2 10 0	Serajgunge.
2 0 0	2 4 0	2 0 0	...	...	...	2 2 0	2 6 0	2 0 0	0 5 0	0 5 0	0 5 0	3 12 0	4 4 0	3 3 0	Dacca.
2 4 0	2 4 0	...	...	...	...	2 8 0	2 8 0	...	0 10 0	0 8 0	...	3 12 0	3 12 0	...	Naraingunge.
2 14 0	2 4 0	2 4 0	...	...	...	4 0 0	4 0 0	3 8 0	0 5 0	0 5 0	0 8 0	3 14 0	3 14 0	4 8 0	Chittagong.
1 15 6	1 11 0	1 4 9	...	...	0 5 0	1 9 0	1 8 0	1 7 0	0 3 9	0 3 9	0 5 0	3 10 0	3 10 0	3 1 6	Patna.
2 5 0	2 6 0	2 6 0	...	...	...	3 0 0	3 0 0	3 0 0	0 5 0	0 5 0	0 4 6	4 0 0	4 0 0	3 4 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 8 0	4 0 0	2 10 0	Pooree.
2 2 0	2 2 0	2 2 0	...	...	...	2 0 0	2 2 0	2 2 0	0 8 0	0 8 0	0 8 0	4 7 0	4 7 0	2 12 0	Cuttack.

Published for general information.

H. J. S. COTTON,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. — Air pressure. — Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. — Prevailing direction.	Mean wind velocity.	Temperature. — Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ..	29·718	29·730	—	SSW	355·0	91·2	15th Sept.	?	?	88 0	?	?	—	83·2
		Gopalpore	29·702	29·752	—·023	Southerly	411·0	90·7	16th „	76·8	17th Sept.	86·8	79·4	83·1	—0·7	83·8
		False Point ...	Complete observations not received													
	Cuttack	Cuttack ..	29·686	29·768	+·011	SSW	65·0	91·4	15th „	75·8	16th—18th Sept.	87·7	77·3	82·5	—1 5	83·6
	Balasore	Balasore	29·748	29·808	+·083	South-easterly.	173·6	92 4	15th „	73·8	15th & 18th Sept.	86 2	76·0	81·1	—1·4	81·9
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29 780	29·806	+·027	South-easterly.	387·0	90·7	15th „	77·5	18th „	88·1	79·2	83·6	—0·2	84·7
	Midnapore	Midnapore ..	29·683	29·814	+·040	S	92·7	91·8	15th „	75·3	16th & 18th Sept.	87·3	77·1	82 2	—1·2	82·9*
	24-Pergunnahs ..., Howrah ..., Hooghly ...	Calcutta	29·799	29·821	+·064	South-easterly.	110·0	91·5	16th „	75·2	18th „	87·0	77·3	82·2	—1·1	83·8
	Burdwan	Burdwan	29·712	29·812	+ ·038	Southerly	63·6	91·6	15th & 16th Sept.	74·4	18th „	89·2	78 5	83·9	—1·0	83·1
	Bankoora	Bankoora	29·496	-	—	Southerly	160·0	92 6	16th „	74·6	18th „	87·2	76 6	81·9	—	83·4
	Beerbhoom ..., West Burdwan ...	Raneegunge	29 478	29·787	+·063	ESE	121 8	92·5	16th „	75·4	18th „	88 1	77·0	82·6	+1·0	84 0
	Moorshedabad	Berhampore .	29·762	29 829	+·053	S	125·5	92 7	16th „	74 8	18th „	89·1	77·7	83·5	—1·8	84·8
	Nuddea	Krishnaghur	29·786	29 853	+·093	ESE	150·4	93 3	16th „	75·8	18th 20th Sept.	89 3	78 0	83·7	+0·7	84·5
	Jessore ..., Khoolna ...	Jessore	29·810	29·814	+·035	SSE	118·9	92·8	15th „	76·4	19th „	89·1	78·5	83·8	-0·7	85·1
East Bengal.	Chittagong	Chittagong	29·790	29·880	+·064	SE	72·0	90·6	16th „	75 5	18th—20th Sept.	87·2	76·4	81·8	—0·4	84·3
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29·836	29·848	+ ·073	SE	95·3	92·3	15th „	76·8	17th & 18th Sept.	88 3	78·4	83 4	+1·5	84·8
	Noakholly	Noakholly ...	29·828	29·871	—	South-easterly.	66·2	91·0	15th „	75 4	18th „	87·1	77·8	82·5	—	83·6
	Furreedpore	Furreedpore	29·820	29·859	+·079	SE	127·0	91·5	15th „	75·9	18th & 19th Sept.	8,·9	78 5	83·2	+0·4	84·0
	Dacca	Dacca ..	29·829	29·852	+·081	SSE	130·0	93·1	16th „	78 2	17th 19th Sept.	*89·5	*79·0	*84·3	+0·3	85·5
	Commillah	Commillah .	29·833	29·860	+·072	S	99·4	94·3	15th & 16th Sept.	73·8	17th „	*·9 9	*76·4	*83·2	+0 6	84·0
	Mymensingh	Mymensingh	29·803	29·862	+·074	South-easterly.	85·1	90·8	16th & 17th Sept.	75·1	18th „	88·1	76 8	82·5	—0·4	84·0
North Bengal.	Bogra	Bogra	29·766	29·829	—	Easterly	78·8	93 8	15th „	75·8	15th „	89·6	77 6	83·6	—	84·6
	Pubna	Serajgunge ..	29·797	29·844	+·064	South-easterly.	89·6	94·1	15th „	70·2	18th „	89·9	77·5	83 7	+0·6	84·6
	Rajshahye	Rampore Beauleah.	29 765	29·835	+·064	SE	122·9	92·0	15th „	74·6	18th „	88·2	78·1	83·2	+0 3	85·2
	Maldah	Maldah ..	29·688	—	—	SE	88·3	91·7	16th „	75·4	18th „	90·4	78 6	84 5	—	84·6
	Dinagepore	Dinagepore .	29 719	29·830	+·083	Variable	112·0	93·1	16th „	76·1	18th „	89·7	78·7	84 2	+0·2	84·8
	Rungpore	Rungpore .	29·721	29 846	+·057	Easterly	98·0	95·8	16th „	76 7	19th „	90 5	78·4	84·5	+1·4	84·9
	Julpigoree ..., Cooch Behar ...	Julpigoree ...	29 568	29·857	+·072	Variable	60·3	94 0	15th „	71·8	21st „	*88·4	*76·8	*81·6	+0·1	*83·1
	Darjeeling Hill Tracts ...	Darjeeling ..	23·043	—	—·001	ENE	110·6	69·6	16th „	54 0	19th „	64·9	56·1	60·5	+0·3	60·4
North Behar.	Purneah ..., North Bhagulpore ...	Purneah ...	29·707	29·833	+·169	Variable	116·2	93·7	16th „	*73·6	19th & 20th Sept.	89·1	75 5	82 3	—2·5	85·4
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga ..	29·656	29·824	+·089	ESE	152·1	91·9	16th „	77 3	19th „	88·6	79·7	84 2	—0·4	85·1
	Chumparun	Motihari ...	29·574	29·801	+·070	Easterly	204·0	95·2	16th „	74·9	21st „	90 9	77 0	84 0	+0·3	87·2
	Sarun	Chupra ...	29·598	29·793	+·043	South-westerly.	172·9	90·5	15th „	77·1	16th „	87·0	78·2	82·6	—1·5	86·6
South Behar.	Shahabad	Dehree ...	29·404	29 758	+ ·001	ESE	101·6	93 3	16th „	77·0	15th „	89·9	78·1	84·0	— 1·6	85 0
		Buxar ...	29·543	29·785	+·024	E	225·2	91 4	16th „	74·8	20th „	88·9	77·4	83·2	—0·1	85·0
		Arrah ...	29·593	29·790	+·048	E	123·7	93 4	16th „	77 6	18th—21st Sept.	90 4	78 3	84·4	0	85 6
	Gya	Gya ...	29·387	29 794	+·003	Calm & easterly.	92·9	95·4	16th „	76·8	17th „	91·0	77 9	84·5	—0·9	86 8
	Patna	Bankipore ...	29·618	29·800	+·042	E	147·5	95·5	16th „	78·2	18th & 21st Sept.	91·6	79·8	85·7	—2·1	86·4
	South Bhagulpore ..., Monghyr ...	Bhagulpore ...	29·657	29·819	+·056	E	83·0	93·2	16th „	76·0	18th & 20th Sept.	89·0	78·2	83·6	—0·1	85·6
	Sonthal Pergunnahs ...	Doomka ...	29·311	—	—	ESE	162·9	91·1	15th & 16th Sept.	75·8	17th „	88·0	76·9	82·5	—	83·3
Chota Nagpore.	Hazaribagh	Hazaribagh ...	27·791	29·798	+·026	ESE	291·0	87·5	16th „	71·2	20th „	82·8	72·0	77·4	—1 7	78·2
	Lohardugga ..., Manbhoom ...	Ranchee ...	27·064	29·787	+·017	South-easterly.	299·3	85·5	16th „	69·9	17th „	81·5	70·6	76·0	—1·7	76·8
	Singbhoom	Chyebassa ...	29·011	—	—	Variable	56·9	90·9	15th „	74·3	20th „	87·6	75·5	81·6	—	83·3
Assam.	......	Sibsagar ...	29·540	29·875	+·058	NE & SE	62·0	98·1	16th „	73·5	18th „	91 9	77·0	84·5	+1·7	85·5
	......	Dhubri ...	29·748	29·861	+·066	ENE	161·8	90·7	16th „	76·8	19th & 20th Sept.	87·6	77·9	82·8	+1·6	82·8
	......	Silchar ...	29·707	29·873	+·041	Calm	58·0	98·6	15th „	74·3	17th „	91·4	76·4	83·9	+0·5	86·0

Explanation.—*Summary.*—The normal means of air pressure and temperature are the arithmetical average of means of the reading during the same period for the last ten years. The *humidity* of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number ... the arithmetical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 21 ... stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Mean for 6 days.

for the week ending Friday, the 21st of September 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
85	8·9	3·38		2·46		7·93			42·01			3·8	Pooree	Pooree	Orissa.
85	4·8	3·93	—	—	—	—	—	—	—	—	—	—	Gopalpore		
			—	—	—	—	—	—	—	—	—	—	False Point		
80	7·9	3·15		2·33		7·19			42·06			3·7	Cuttack	Cuttack	
85	8·0	7·24		2·58		7·72			42·94			3·3	Balasore	Balasore	
84	6·0	3·52		1·90		8·30			50·13			3·5	Saugor Island	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
84	4·0	3·92	4·30	1·42	9·48	5·64	+3·84	58·84	43·82	+15·02	4·7	3·0	Midnapore	Midnapore	
82	7·1	2·07	2·44	1·41	7·03	6·20	+0·83	57·69	44·06	+13·63	4·8	3·2	Calcutta	24-Pergunnahs; Howrah; Hooghly	
81	9·1	2·51	1·28	1·23	6·11	5·50	+0·61	51·98	39·68	+12·30	3·0	3·0	Burdwan	Burdwan	
83	6·8	1·55	2·28	1·55	5·29	5·98	—0·69	49·83	45·25	+4·58	4·3	3·1	Bankoora	Bankoora	
81	5·9	1·74	1·37	1·35	6·59	6·96	—0·37	53·65	44·50	+9·15	4·0	3·3	Raneegunge	Beerbhoom; West Burdwan	
82	8·7	1·72	1·27	1·67	5·96	7·40	—1·44	42·40	42·47	—0·07	3·5	3·2	Berhampore	Moorshedabad	
79	7·5	1·57	1·21	1·32	4·43	5·97	—1·49	48·23	41·46	+6·77	3·0	3·1	Krishnaghur	Nuddea	
82	8·4	2·82	1·88	1·49	4·38	6·40	—2·02	40·38	45·13	—4·75	3·6	3·2	Jessore	Jessore; Khoolna	
83	6·4	3·54		1·92		10·52			99·93			4·2	Chittagong	Chittagong	East Bengal.
				2·84		8·95			67·07			4·7	Demagiri	Chittagong Hill Tracts	
82	6·3	1·17	1·63	2·24	5·54	8·34	—2·80	62·67	65·21	—2·54	3·3	3·8	Barrisal	Backergunge	
81	7·6	3·71	4·13	3·53	10·51	12·70	—2·19	91·29	92·71	—1·42	3·5	4·3	Noakholly	Noakholly	
82	4·6	1·30	1·56	1·45	5·88	6·06	—0·18	45·18	46·90	—1·72	2·7	5·0	Furreedpore	Furreedpore	
78	6·6	0·56	1·07	2·03	6·06	8·02	—1·96	52·15	51·58	+0·57	3·8	3·1	Dacca	Dacca	
76	4·0	4·83	2·83	2·06	7·20	8·25	—1·05	56·23	59·17	—2·94	3·5	3·4	Commillah	Commillah	
81	7·4	2·67	2·60	2·43	8·06	8·57	—0·51	60·92	56·57	+4·35	4·0	3·3	Mymensingh	Mymensingh	
80	6·7	2·16	1·70	1·52	5·73	6·50	—0·77	41·91	48·08	—6·17	4·5	3·2	Bogra	Bogra	North Bengal.
79	7·1	1·06	1·02	1·55	2·82	7·28	—4·46	38·61	44·81	—6·20	4·5	3·2	Serajgunge	Pubna	
78	5·3	1·18	1·87	1·18	7·19	7·31	—0·12	38·69	44·47	—5·78	3·0	3·0	Rampore Beauleah	Rajshahye	
82	3·3	1·65	1·13	1·27	5·69	7·95	—2·26	37·38	46·65	—9·27	2·5	3·1	Maldah	Maldah	
66	7·0	0·93	1·47	1·02	5·24	8·53	—3·29	43·57	50·28	—6·71	3·4	3·0	Dinagepore	Dinagepore	
77	4·1	1·43	1·78	2·21	5·98	9·35	—3·37	52·24	64·11	—11·87	3·0	3·3	Rungpore	Rungpore	
80	5·3	3·97	3·40	5·14	7·53	16·01	—8·48	83·27	98·97	—15·70	4·4	4·2	Julpigoree	Julpigoree; Cooch Behar	
92	8·4	3·63	5·12	3·61	11·22	13·51	—2·29	92·46	108·51	—16·05	4·5	4·5	Darjeeling	Darjeeling Hill Tracts	
81	4·6	1·49	1·86	1·53	6·10	8·85	—2·75	46·57	50·85	—4·28	2·6	2·8	Purneah	Purneah; North Bhagulpore	North Behar.
			0·87	1·22	3·32	5·65	—2·33	38·76	35·93	+2·83	3·0	2·3	Mozufferpore	Mozufferpore	
77	4·6	0·72	1·12	1·36	5·20	6·53	—1·33	38·41	38·27	+0·14	1·7	2·2	Durbhunga	Durbhunga	
70	7·1	0·36	0·38	1·17	7·05	5·48	+1·57	40·19	38·53	+1·66	2·0	2·0	Motihari	Chumparun	
76	4·4	1·18	0·92	1·26	8·05	4·96	+3·09	36·99	35·09	+1·90	3·0	2·5	Chupra	Sarun	
76	4·4	0·32											Dehree	Shahabad	South Behar.
78	7·4	1·40	0·75	1·39	7·76	5·24	+2·52	40·93	33·55	+7·38	2·8	2·6	Buxar		
79	8·3	0·18											Arrah		
73	4·6	0·51	0·55	0·96	6·15	4·94	+1·21	48·48	35·79	+12·64	2·5	2·3	Gya	Gya	
76	6·8	0·58	0·94	0·95	4·83	4·79	+0·04	45·68	34·89	+10·79	3·3	2·3	Bankipore	Patna	
78	2·9	1·60	0·95	0·98	6·27	5·84	+0·43	46·87	37·06	+9·81	2·8	2·4	Bhagulpore	South Bhagulpore; Monghyr	
79	3·9	1·28	1·85	2·05	6·05	7·73	—1·68	50·36	43·89	+6·47	3·8	3·1	Doomka	Sonthal Pergunnahs	
83	8·7	1·53		1·73		6·86			43·67			3·2	Hazaribagh	Hazaribagh	Chota Nagpore.
84	9·1	1·35	1·44	1·37	7·74	6·71	+1·03	49·47	42·23	+7·24	4·3	3·0	Ranchi	Lohardugga	
			1·74	1·53	7·05	5·91	+1·14	44·89	40·98	+3·97	6·0	3·1		Manbhoom	
79	7·3	1·05	1·52	1·35	4·33	6·41	—2·08	38·77	45·38	—6·61	3·0	3·2	Chyebassa	Singbhoom	
84	7·6	3·21											Sibsagar	......	Assam.
84	7·4	1·41											Dhubri	......	
77	9·4	4·33											Silchar	......	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of September 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 15th September.	Sunday, 16th September.	Monday, 17th September.	Tuesday, 18th September.	Wednesday, 19th September.	Thursday, 20th September.	Friday, 21st September.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA	Pooree	Pooree	......	2·62	0·13	0·63	......	......	......	3	3·38	5·22	7·36	29·39	36·49
		Khurdah	0·08	6·53	0·32	0·31	0·07						8·30		45·15
		Banpur	0·90	1·32	0·32	......	0·88	......	......	4	3·42	6·79	7·74	30·52	38·77
		False Point	1 16	4·46	1·56								8·34		47·50
		Gop	5·40	1·20	0·17	0 10							?		?
		Pipli	......	7·70									?		?
	Cuttack	Jagatsingpore		4·70									6·03		35·84
		Banki	0·07	3·32	0·73	0·21	0·09						8·22		42·21
		Cuttack	0·34	3·40	0·51	0·07	0·06	......	......	5	4·38	9·05	8·01	47·47	46·84
		Kendrapara	0·58	2·05	0·82	0·08	0·31	......	......	5	3·84	5·12	6·40	42·43	42 10
		Jajpore	0·85	2·29	1·20	0·16	0·15	......	......	5	4·63	10·76	7·29	56·35	44·55
		Dharmsala	2·30	1·15	0·60	0·20	......	......	0·30	5	4·35		?		?
		Salipore											?		?
	Balasore	Chandbali											6·07		39·76
		Bhuddruck	0·66	2·58	0·61	0·31	......	......	......	4	4·16	7·81	7·67	45·23	42·35
		Sorah	0·54	2·93	0·94	0·52	0·08	......	0·20	6	4·53	8·02	7·82	44·34	41·05
		Balasore	3·35	1·27	1·00	0·80	......	......	0·50	5	6·92	12·81	8·03	50·46	45·73
		Jellasore	1·82	1·61	0·15	1·55	0·13	0·50	......	6	5·76	10·30	7·88	55·07	44·55
		Baripodah	1·06	2·68	0·56	0 97	0·10	......	......	5	5·37	8·32	8·26	50·68	44·88
SOUTH-WEST BENGAL.	Midnapore	Contai	0·67	1·97	0·42	2·35	0·69	......	......	5	6·10	8·30	8·25	50·01	48·56
		Saugor Island	0·74		0·69	1·04							8·29		52·39
		Tumlook	0·70	0·80	1·10	1·30	0·90	......	......	5	4·80	12·40	6·41	63·40	45·83
		Midnapore	0·97	0·64	0·30	1·66	......	......	......	4	3·57	6·65	5·16	59·49	40·90
		Ghattal	0·67	2·45	1·00	0·96	0·06	......	......	5	5·14	9·39	5 35	53·62	46·65
		Kukrahaty	0·76	1·35	0·41	1·68	......	......	......	4	4·20	9·70	?	61·55	?
		Heria	1·52	1·15	0·04	2·53	......	......		4	5·24	10 00	?	50·24	?
		Bhagwanpore	0·47	1·01	0·45	1·30	0·25	......	0·10	6	3·58	9·04	?	45·87	?
		Garbeta	0·64	0 82	0·10	0·40	0·15	......	......	5	2·11	6·02	?	63·20	?
	24-Pergunnahs	Diamond Harbour	0·06	2·04	0·39	1·90	......	......	......	4	4·30	7·80	8 36	51·99	49 42
		Canning Town	0·32	0·25	0·35	1·20	2·76	0·27	......	6	5 15	9·63	?	54 96	?
		Alipore Jail	0·33	0·57	0·26	0·97	0·04	0 02	......	6	2·19	8·22	7·09	54·61	47·00
		Barrackpore	0·34	0·44	0·55	1·38	......	......	......	4	2·71	6·75	5·07	56·78	42·14
		Dum-Dum	0·14	1·00	1·10	0 63	......	......	......	4	2 87	7·21	6 70	59·22	44·10
		Baraset	0·54	0·30	1·25	0 54	......	......	0·04	5	2·67	8 06	6·29	60·46	41·65
		Bus-erhat	......	0·43	......	2·80	0·08	0·06	......	4	3·37	5·95	6·86	49·28	46·63
	Howrah	Howrah	0·07	0 29	0·31	0·98	0·01	......	......	5	1·66	7·68	7·39	58·80	44·63
		Mohesreka (*Oolooberiah.*)	0·15	0·26	0·29	1·06	0·05	0·05	......	6	1·86	4·17	6 02	55·77	44·73
	Hooghly	Serampore	0·43	0·37	0·33	1·68	......	......	......	4	2·81	7·61	5·43	63·11	42·48
		Hooghly	0·43	0·27	0·02	0·93	......	......	0 01	5	1 66	6·14	5·27	61·25	41·21
		Jehanabad	0·47	0·40	0·45	1·02	......	......	0·28	5	2 62	8·57	6·33	60·40	47·01
	Burdwan	Culna	......	0·22	......	0·80	......	......	......	2	1·02	4·48	4·90	55·79	37·52
		Burdwan	......	0·12	......	1·64	......	......	0·35	3	2·11	8·14	5·93	42·90	40 94
		Cutwa	......	0·10	0·06	0·40	......	......	0·15	4	0·71	5·41	5·07	57·25	40 25
		Raneegunge	......	0·90	0·18	0·69	0·03	......	......	4	1·80	5·01	5·37	56 04	42 55
		Mankur	0 17	0·29	......	0·59	......	......	......	3	1 05	5·91	?	41·69	?
	Bankoora	Bankoora	......	0 88	0·44	0·20	0 12	......	0 18	5	1·82	3 83	5·66	44·79	44·04
		Bishenpore	......	1·28	0 05	0·53	0 05	......	1·37	5	3·28	6·00	6·42	53 23	45·31
		Malhara	......	0·37	0·49	0·70	0·73	......	0·59	5	2·89	4·98	4·45	48 13	45 37
		Khatra	......	1·20	0·42	......	......	......	......	2	1·62	5·72	7·39	53·10	46 07
		Indas	......	0·51		0·72	......	......	......	2	1·23	4·70	?	40 61	?
		Kotalpore	......	0·21	0·10	0·25	......	......	......	3	0·56	3 18	?	46 54	?
		Anda	......	1 00	0·50	0·10	0·40	......	......	4	2·00	5·22	?	36 61	?
		Gangajalghati	......	0 72	0·08	......	......	......	......	2	0·80	5·22	?	53 48	?
		Raipore	0·45	0·71	0·58	0·15	0·40	......	......	5	2·29	4·60	?	54 57	?
		Sonamukhi	0·37	0·19	0·93	0·05	0·06	......	......	5	1·60	3·71	?	43·87	?
	Beerbhoom	Bh. Soory	......	0·59	0·19	0 37	0·32	......	0·46	5	1·93	4 75	7·46	49·11	46·43
		Hetampore	......	......	0·44	0·06	......	......	0·54	3	1·04	3·43	7·12	45·40	46·99
		Rampore Haut	......	0·29	0·12	0·25	......	......	0·03	4	0·69	13·13	7 88	64·41	43·54
		Rotpore	......	0 19	......	0·56	......	......	......	2	0 75	5·21	?	56·30	?
		Murarai	......	......	......	......	......	......	......	Nil	Nil	6·16	?	?	?
	Nuddea	Ranaghat	......	0·30	0·10	1·30	0 01	......	......	4	1·71	5·94	5 18	55·90	40·38
		Kishnaghur	......	0·34	1·17	0·05	......	......	......	3	1 56	4·31	5·73	60·17	38 62
		Chooadanga	......	......	0·35	0·80	......	......	......	2	1·15	4·55	6·89	48 11	42·82
		Meherpore	......	0·06	0·06	0·53	......	......	......	3	0·65	4 15	5·55	45 07	40·44
		Kooshtea	......	0·05	......	0·92	0·03	......	......	3	1·00	3·70	6 67	31·91	44·90
	Khoolna	Satkhira	0·02	0·43	0·12	1·80	......	0·14	......	5	2·51	5·04	6·23	36·54	46·48
		Bagirhat	......	0 10	0·74	1·06	......	......	......	3	1·90	3 85	7 66	48 03	52·32
		Khoolna	......	......	1·49	0·61	......	......	0·59	3	2·69	4 82	7·28	46·12	40·78
	Jessore	Narail	......	......	0·10	0·33	0·19	......	......	3	0 62	1·89	5 07	25·77	30·50
		Jessore	......	0·28	0·42	2·12	......	......	0·08	4	2·90	4·70	5·96	50·61	46 95
		Jheniadah	......	......	......	1·08	0·33	......	......	2	1·41	4·41	6·11	37·10	44 71
		Magoorah	......	0·22	0·28	0·46	......	......	0·13	4	1·09	5 34	6 13	38·47	41·31
		Bongong	0·25	0·16	0·45	1·05	......	......	0 05	5	1·95	5·01	6 17	44·75	43·39
	Moorshedabad	Kandi	......	0·10	......	0·51	......	......	......	2	0·61	4·38	6·86	48 47	42·45
		Berhampore	......	0·46	0·42	0 84	......	......	0·11	4	1·83	4·67	7·22	37·81	42·19
		Jalongi	......	......	0·21	0·38	......	......	0·02	3	0·61	4·17	7·78	39 18	42·74
		Azimgunge	......	0·20	0·45	0 30	......	......	0·65	4	1·60	5 69	7 02	?	42·87
		Jungipore	......	......	0·41	0 24	0·30	0·04	0·02	5	1·01	6·69	8 04	39·84	42·40
		Lalgola	......	......	0·72	1 10	......	......	0·15	3	1 97	10·18	7·42	47·50	43·59
		Jaigunge	......	0·22	0·36	0·31	......	......	0·66	4	1·55	6·05	?	41·92	?
		Akhriganj	......	......	0·69	0 31	......	......	......	2	1·00	9·59	?	44 04	?
		Patkabari	0·10	......	0·60	0·10	......	......	0·25	4	1·05	3·00	?	41·04	?
EAST BENGAL.	Chittagong	Cox's Bazar	0·06	......	0·16	......	......	......	......	2	0·22	7·08	11·38	135·63	118 50
		Chittagong	0·44	0·08	1 07	0·22	......	0·51					9·64		81 45
		Kutubdia	0·70	......	0·05								?		?
		Satkania	......	0·70	0 68								?		?
	Chittagong Hill Tracts.	Rangamati	......	......	2·34	......	......	......	0·25	2	2·59	7·00	8·87	67·61	69·78
		Rema	......	1·47									9·02		68·39
	Backergunge	Patuakhally	......	......	0·88	0·26	......	......	......	2	1·14	4·78	9·69	77·59	74·09
		Pirozepore	......	0·33	0·80	0·30	0·22	......	0·08	5	1·73	6·80	7·77	59·31	58·52
		Burrisal	......	......	1·10	0·07	0·27	......	......	3	1·44	4·50	7·09	55·12	58·43
		Bhola	......	......	1·29	0·66	0·27	......	......	3	2·22	[illegible]	8·20	58·67	69·76

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of September 1888—contd.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 15th September.	Sunday, 16th September.	Monday, 17th September.	Tuesday, 18th September.	Wednesday, 19th September.	Thursday, 20th September.	Friday, 21st September.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—concld.		*Gournaddi* ...	0·21	......	0·65	0·35	......	......	0·21	4	1·43	5·69	?	47·13	
		Bauphal ...	......	......	1·22	0·19	......	......	......	2	1·41	7·78	?	81·63	?
	Noakholly ..	Noakholly ..	0·02	......	0·34	2·82	0·33	......	......	4	3·51	7·26	12·65	88·59	93·70
		Fenny	......	......	2·05	......	2·24	......	0·45	3	4·74	13·74	12·75	93·93	93·71
		Harishpore ...	0·72	......	0·85	......	3·92	0·50					?		?
		Ramganj ...	0·23	......	0·96	0·30	0·35						?		?
	Furreedpore .	Madaripore ...	......	......	0·67	0·30	0·75	......	......	3	1·72	4·58	6·08	42·40	47·91
		Furreedpore...	......	......	0·32	0·85	......	......	0·12	3	1·29	5·40	6·10	50·45	48·11
		Goalundo ...	......	......	......	1·60	......	......	0·08	2	1·68	4·59	6·01	42·72	44·75
	Dacca ...	Munshigunge	......	......	0·20	0·10	1·40	......	......	3	1·70	9·60	9·10	57·53	59·81
		Dacca ..	......	......	0·21	......	0·07	......	0·12	3	0·40	6·45	7·64	49·86	51·06
		Naraingunge	......	0·00	0·23	0·21	1·05	......	......	4	1·58	6·20	9·43	58·85	52·84
		Manickgunge	......	0·07	0·27	0·09	0·05	......	0·13	5	0·61	1·99	5·90	42·10	42·83
		Joydebpore ...	0·14	......	......	0·28	0·25	......	......	3	0·67	3·53	?	56·74	?
	Hill Tipperah	Agartola ...	......	......	0·88	0·93	0·50	......	......	3	2·31	5·88	7·45	52·03	51·39
	Tipperah ...	Comilla ...	0·56	......	1·03	0·33	1·02	......	......	4	2·94	6·84	8·44	60·09	66·67
		Chandpore ..	......	......	0·66	0·45	0·24	......	0·26	4	1·61	6·77	8·35	51·70	60·23
		Brahmanberia	......	......	3·75	0·06	0·66	......	......	3	4·47	9·29	8·45	61·96	51·60
		Ramchandrapore.	0·71	......	0·95	0·11	1·08	......	......	4	2·85	8·37	?	53·79	?
		Nasirnagar ...	0·50	1·00	......	1·30	0·70	......	......	4	3·50	8·73	?	49·24	
		Daudkandi ..	......	......	1·08	......	......	......	0·26	2	1·34	11·22	?	65·85	
		Kasba ...	......	......	1·25	0·66	0·30	......	......	3	2·21	7·92	?	52·68	
		Laksham ...	0·47	......	0·38	1·02	0·26	......	......	4	2·13	6·81	?	63·06	
	Mymensingh	Kishoregunge	1·03	0·04	0·54	2·13	0·26	0·24	......	6	4·24	12·64	9·32	74·93	59·62
		Atia (*Tangail*)	......	......	......	1·21	......	......	......	1	1·21	2·27	6·28	31·95	40·18
		Mymensingh	......	......	1·84	0·55	0·04	0·74	0·02	5	3·19	10·61	9·10	63·11	62·61
		Jamalpore .	......	0·27	0·29	0·80	0·16	......	0·15	5	1·67	6·08	9·21	60·63	54·36
		Netrokona ..	......	......	1·03	1·57	0·09	......	......	3	2·69	8·67	8·55	75·85	59·98
		Subornakhali	0·66	0·20	0·05	0·20	0·23	0·32	0·60	7	2·26	5·70	?	53·23	?
		Durgapore ..	......	......	2·70	1·40	0·50						?		?
		Dewanganj .	......	......	......	0·50	0·07	......	......	2	0·57	2·87	?	40·07	?
NORTH BENGAL.	Pubna ..	Pubna ...	......	......	0·15	0·58	......	......	0·10	3	0·83	3·41	7·68	37·47	45·13
		Serajgunge ...	0·04	......	0·04	0·24	0·66	0·07	0·16	6	1·21	2·21	6·89	39·73	44·43
	Bogra ..	Sherpore ...	......	0·35	0·17	0·13	0·65	......	0·16	5	1·46	6·16	6·13	38·54	48·24
		Nowkhilla ...	0·65	......	0·35	0·57	0·20	......	0·24	5	1·81	4·81	5·33	47·50	44·13
		Bogra ..	0·27	......	0·56	0·57	0·57	......	0·16	5	2·13	5·49	6·93	39·90	51·07
		Panchbibi	......	......	0·10	0·42	0·58	......	......	3	1·10	6·47	7·53	41·75	47·64
	Rajshahye .	Beauleah ..	......	......	......	1·15	0·02	0·09	0·07	4	1·33	3·80	6·99	24·80	43·47
		Nattore .	......	......	0·35	2·05	......	......	......	2	2·40	10·55	7·61	52·55	45·43
		Naogaon .	......	0·41	......	1·43	......	......	......	2	1·84	6·91	?	33·30	?
		Latpore ...	......	......	2·46	0·50	......	......	......	3	2·96	7·25	?	35·31	?
		Manda ..	......	......	......	0·70	......	......	0·23	2	0·93	4·31	?	27·88	?
	Maldah ...	Maldah .	......	......	0·06	0·88	0·71	......	......	3	1·65	6·00	8·23	45·21	43·30
		Chanchal ...	......	......	......	0·50	0·10	......	......	2	0·60	4·78	7·65	39·53	45·93
		Gajol ...	......	......	......	0·80	1·14	......	......	2	1·94	6·15	?	35·40	?
		Sibganj ...	......	......	0·62	0·72	0·04	......	......	3	1·38	6·18	?	43·05	?
	Dinagepore ...	Mohadebpore	......	0·10	1·50	0·19	0·37	......	......	4	2·16	3·82	8·02	39·14	51·12
		Churaman ...	......	......	......	0·47	0·12	0·14	......	3	0·73	8·95	9·57	41·30	47·08
		Raigunge .	......	0·22	......	0·68	1·18	......	0·07	4	2·15	6·33	8·42	47·10	52·35
		Dinagepore	......	......	......	0·35	0·54	......	0·08	3	0·97	3·93	8·21	55·44	55·29
		Ranisankail	......	......	0·16	0·99	0·17	......	......	3	1·32	3·11	7·54	37·28	46·31
		Thakoorgaon	......	0·68	......	0·18	1·54	......	0·21	4	2·61	8·17	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	......	......	......	1·05	......	......	0·18	2	1·23	3·12	8·39	41·42	52·38
		Rungpore ...	......	......	0·10	1·13	0·73	......	0·18	4	2·14	6·86	10·07	49·93	65·35
		Kurigram ..	......	......	......	1·25	......	......	......	1	1·25	8·54	8·48	66·31	64·91
		Bagdogra (*Nilphamari*)	0·51	......	0·10	1·15	0·40	......	0·35	5	2·51	5·59	10·35	51·28	74·73
		Uitpore ...	......	......	......	0·62	1·20	......	......	2	1·82	5·34	?	49·77	?
	Julpigoree ...	Julpigoree ...	......	......	1·27	0·86	1·57	......	0·58	4	4·28	11·73	17·80	104·47	105·18
		Alipore Duar	......	......	0·05	0·55	0·91	0·35	1·[illegible]	5	3·91	6·51	?	74·57	?
		Fallacotta ...	......	......	0·75	0·61	0·60	1·54	0·74	5	4·24	7·30	?	82·85	?
		Debiganj ...	......	0·63	0·02	1·27	0·42	......	0·15	5	1·85	4·62	?	59·71	?
	Cooch Behar..	Dinhatta ..	......	......	0·65	0·96	0·24	......	0·33	4	2·18	7·45	14·71	89·12	82·82
		Cooch Behar .	......	......	0·56	1·00	0·66	0·34	0·16	5	2·72	5·63	15·85	84·50	105·60
		Mekliganj .	......	......	1·59	0·70	1·18	......	0·33	4	3·7[illegible]	8·12	15·77	72·55	97·25
		Mathabhanga...	......	......	1·47	0·72	1·05	0·71	0·10	5	4·05	4·73	16·14	70·87	103·49
	Darjeeling Hill.	Buxa ...	......	......	0·14	2·49	0·25	0·42	4·65	5	7·86	18·12	23·12	142·39	173·12
		Siliguri ...	......	0·40	1·62	2·50	0·78	......	0·35	5	5·65	7·28	11·55	75·80	94·44
		Darjeeling ...	......	......	0·90	2·21	0·25	0·17	......	4	3·53	11·05	12·47	85·05	95·46
		Kalimpong ...	......	0·08	1·73	1·75	0·16	......	......	4	3·72	8·41	6·57	63·40	71·21
NORTH BEHAR	Purneah ..	Kissengunge...	......	......	0·51	1·05	0·75	......	......	3	2·31	5·62	9·6	45·94	61·90
		Arrareah ...	......	......	0·60	0·24	0·29	......	......	3	1·13	5·01	9·53	47·25	55·40
		Purneah .	......	......	0·31	0·52	0·66	......	......	3	1·49	4·23	10·67	45·52	55·50
		Gondwara ...	......	......	......	1·50	0·25						?		?
		Balarampore	......	......	0·30	1·95	0·25	......	......	3	2·50	7·55	?	?	?
		Matiari ...	......	......	......	1·22	0·05	......	......	2	1·27	4·1[illegible]		?	?
		Katiaganj ...	......	0·52	0·34	0·18	0·28	......	0·29	5	1·91	6·5[illegible]		55·55	?
	North Bhagulpore.	Muddapore .	......	......	1·22	0·85	0·40	......	......	3	2·47	9·61	7·4[illegible]	55·1[illegible]	41·92
		Soopool ...	......	......	......	1·92	......	......	......	1	1·92	6·19	6·94	40·57	41·94
		Protabganj ...	......	......	0·56	......	0·12	......	......	2	0·68	4·57		37·74	?
	Durbhunga .	Tajpore ...	......	......	0·06	1·19	......	......	......	2	1·25	5·94	5·82	39·68	37·09
		Durbhunga ...	......	......	0·16	0·56	......	......	......	2	0·72	4·25	6·87	35·44	39·44
		Madhubani ..	......	......	......	1·40	......	......	......	1	1·40	5·66	6·57	49·72	38·41
		Bahera ...	......	......	0·60	0·70	......	......	......	2	1·30	6·45	?	55·35	?
		Rosbera ...	......	......	0·80	0·85	......	......	......	2	1·05	6·72	?	45·91	?
	Mozufferpore	Sitamarhi ...	......	......	0·05	0·65	......	......	......	2	0·70	2·34	6·31	31·42	36·24
		Mozufferpore	......	0·10	0·15	0·50	......	0·65	......	4	1·40	3·51	6·24	40·56	37·50
		Hajipore ...	0·10	0·05	......	0·24	......	......	......	3	0·39	4·23	4·38	44·04	31·28
		Paru ...	......	......	0·40	0·50	......	......	0·39	3	1·59	3·54	?	35·57	?
		Mahua ...	......	......	0·17	0·16	......	......	......	2	0·33	3·43	?	31·27	?
		Sunaur ...	......	......	......	0·60	......	......	......	1	0·60	7·31	?	28·27	?
		Pupri ...	......	......	......	0·35	......	......	......	1	0·35	3·53	?	22·14	?
	Chumparun ...	Motihari ...	......	......	......	0·29	......	......	......	1	0·29	5·95	6·18	35·15	37·40
		Bettiah ...	......	......	0·13	0·34	......	0·19	......	3	0·66	8·14	5·76	4[illegible]·1[illegible]	39·59
		Bagaha ...	......	......	0·40	0·84	0·20	0·11	......	4	1·55	7·51	?	4[illegible]	?
		Burhurwa ...	......	......	0·06	0·12	......	......	......	2	0·18	3·09	?	37·6[illegible]	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of September 1888—*concld.*

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 15th September.	Sunday, 16th September.	Monday, 17th September.	Tuesday, 18th September.	Wednesday, 19th September.	Thursday, 20th September.	Friday, 21st September.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge	...	...	0·57	...	...	...	...	1	0·57	7·18	4·99	38·00	35·69
		Sewan	...	0·09	0·62	0·42	0·07	0·09	...	5	1·20	13·10	5·31	40·19	35·81
		Chuprah	...	0·71	0·06	0·13	..	..	...	3	0·90	4·86	4·38	34·76	33·81
SOUTH BEHAR	Shahabad	Buxar	...	0·29	0·31	0·11	0·37	0·05	...	5	1·13	11·22	5·14	40·11	31·98
		Dehree	...	0·07	...	0·25	...	...	...	2	0·32	7·91	6·24	41·56	32·67
		Bhaboouah	...	...	0·30	...	0·30	...	...	2	0·60	7·20	4·90	39·57	34·79
		Sasseram	...	0·84	...	0·18	...	0·20	...	3	1·22	6·93	4·92	40·87	33·93
		Arrah		...	0·10	...	...	0·40	...	2	0·50	5·53	4·94	42·49	34·07
		Mohania	...	...	...	1·50	...	...	...	1	1·50	8·30	?	33·98	?
	Gya	Aurungabad	...	...	...	0·08	...	...	...	1	0·08	5·97	5·38	52·25	37·12
		Gya	...	0·16	0·35	...	...	...	...	2	0·51	7·85	5·35	40·82	37·21
		Nowadah	0·70	0·42	...	...	...	0·29	...	3	1·41	4·13	5·05	47·40	34·41
		Jehanabad	...	0·01	0·02	0·12	...	0·06	...	4	0·21	6·66	4·00	44·67	34·34
		Arwal	...	0·14	...	...	...	...	...	1	0·14	7·06	?	37·06	?
		Daudnagar	...	...	0·71	...	...	...	...	1	0·71	6·28	?	41·71	?
		Sherghati	1·00	...	...	...	...	0·50	...	2	1·50	3·80	?	33·03	?
		Rajauli											?		?
		Pakri Barawan	0·10	...	...	0·42	...	...	...	2	0·52	4·29	?	36·21	?
	Patna	Patna	0·21	0·20	...	0·17	...	...	...	3	0·58	2·67	4·83	38·54	35·46
		Dinapore	0·04	0·16	...	0·30	...	...	...	3	0·50	2·50	4·25	41·19	31·80
		Behar	...	0·16	1·15	0·20	...	...	...	3	1·51	3·63	4·09	51·06	36·17
		Barra	0·40	0·05	0·60	...	0·10	...	...	4	1·15	10·50	5·07	51·87	33·15
		Bickram	0·20	...	0·15	...	...	...		2	0·35	6·35	?	37·00	?
		Hilsa	...	...	0·52	0·26	...	...	...	2	0·78	4·49	?	45·09	?
	Monghyr	Begooserai	...	0·77	0·33	0·09	...	...	..	3	1·19	6·81	5·26	44·63	34·08
		Monghyr	...	0·14	..	0·29	0·06	...	...	3	0·49	9·79	6·49	53·06	39·76
		Jamui	...	0·09	0·34	...	...	...	...	2	0·43	4·35	5·32	47·33	37·44
		Gogri	...	...	0·27	0·39	0·17	...	..	3	0·83	11·26	?	57·62	?
		Sheikpura	...	...	...	...	...	...	...	Nil	Nil	2·84	?	56·48	?
	South Bhagulpore	Bhagulpore	...	...	0·12	1·50	...	...	...	2	1·62	6·01	5·77	52·62	36·38
		Bunka	...	0·43	0·10	0·40	0·09	...	...	4	1·02	4·39	6·35	36·69	36·65
		Kolgong	...	.	...	...	1·02	...	...	1	1·02	5·96	?	49·85	?
	Sonthal Pergunnahs	Rajmehal	...	0·05	0·09	1·50	0·46	0·17	...	5	2·27	3·82	9·44	44·76	45·60
		Godda	...	0·34	0·16	0·70	...	...	...	3	1·20	5·91	6·82	46·46	38·81
		Pakour	...		0·97	2·19	0·35	0·05	...	4	3·56	11·04	10·22	59·18	47·81
		Nya Doomka	...	0·64	0·10	0·21	0·13	...		4	1·28	3·89	8·25	47·87	45·79
		Deoghur	...	0·38	0·54	0·17	0·82	...	0·08	5	1·99	5·47	6·16	50·18	42·41
		Jamtara	...	0·49	0·28	...	...	...	...	2	0·77	6·10	5·50	53·63	42·31
		Mohagama	...	...	...	2·15	2·34						?	?	?
		Nunihat	...	...	...	...	...	...	...	Nil	Nil	1·06	?	26·99	?
CHUTIA NAGPUR.	Hazaribagh	Pachamba (*Giridi*).	0·35	0·23	0·17	0·29	0·06	0·15	...	6	1·25	5·88	6·55	51·14	41·20
		Hazaribagh	0·02	0·46	0·29	0·14	...	0·61	..	5	1·52	5·08	6·29	53·27	41·36
		Semtagurah											5·77		39·06
		Mahudi Hills											6·11		41·55
		Jhoomrah Hills											9·52		54·22
		Barhi	0·50	...	...	...	...	...	...	1	0·50	3·05	?	48·51	?
		Chatra	0·15	...	0·50	...	0·15	0·40	...	4	1·20	7·45	?	52·86	?
		Karagdeha	...	...	...	...	...	4·80	...	1	4·80	11·40	?	51·83	?
		Ramghar	0·03	0·60									?		?
	Lohardugga	Lohardugga	0·67	0·30	0·24	...	0·08	0·08	...	5	1·37	7·49	7·38	44·75	44·18
		Ranchi	...	0·86	0·18	0·08	0·65	0·10	...	5	1·81	7·88	6·73	52·33	45·51
		Palamow	...	0·44	...	...	0·11	0·60	..	3	1·15	7·88	5·95	51·35	37·10
		Silli	0·90										?		?
		Balumat											?		?
		Hosseinabad	...	0·34	...	...	...	...	...	1	0·34	4·32	?	?	?
		Gurwah											?		?
	Singbhoom	Chyebassa	...	0·60	0·24	...	...	0·68	.	3	1·52	4·35	6·41	38·77	45·42
		Chakradharpore.	0·42	0·71	.	...	1·25						?		?
		Ghatsilla	1·45	1·64	0·65	0·56							?		?
		Baharagura	0·74	2·16	0·39	...	...	...	0·54	4	3·83	5·80	?	58·55	?
	Manbhoom	Purulia	0·41	0·77	0·72	0·28	0·23	0·02	0·03	7	2·46	8·76	5·92	55·35	42·82
		Gobindpore	...	0·15	0·16	0·09	0·30	0·31	...	5	1·01	5·33	5·89	34·41	29·23
		Raghunathpore.	...	0·24	0·10	0·19	0·04	...	0·08	5	0·65	7·38	?	51·49	?
		Barrabhoom	...	1·10	0·45	0·15	...	...	0·32	4	2·02	4·79	?	50·42	?
		Jhalda											?		?
		Chas											?		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 25th September* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 21ST OF SEPTEMBER 1888.

AT the close of the previous week a cyclonic storm which had formed probably in the Gulf of Siam was advancing in a north-westerly direction, and on Friday morning, the 14th, the storm centre was crossing Pegu to the west of Rangoon, or probably near Bassein. The storm was one of considerable intensity, and very low pressure was reported at Diamond Island and Bassein on this day, together with a gale of wind to the east and south of the storm area. During the 24 hours from 8 A.M. on Friday, the 14th, to 8 A.M. on the 15th, the storm continued its very rapid north-westerly advance, and on the latter date the storm centre was nearly midway between the Arakan and Orissa coasts, or about in latitude 19°N. and longitude 91°E. The storm on this day was evidently rather severe, as strong winds were blowing in its rear, and the cyclonic circulation accompanying the storm affected the wind directions over the whole province. During this day and the following night the rapidity of the advance of the storm appears to have increased, and it struck the Orissa coast close to False Point, and slightly to the south of it at about 3 A.M. on the 16th. The velocity of advance of the storm was so great that probably as it neared the land it was travelling at about 20 miles an hour. The storm as it reached the land was a decidedly intense one, and at False Point a barometric pressure of about 28·8 inches was reported, while winds are said to have been of hurricane force. It was therefore evident that the storm was quite sufficiently intense to have raised a storm-wave at its centre.

Directly the storm left the South Burma coast, travelling in a westerly direction, the ports round the head of the Bay and along the west coast were warned of the existence and probable line of advance of the storm, and No. 1 storm signal was hoisted in the river Hooghly and in the port of Calcutta. On the morning of the 15th, when the storm had reached the centre of the Bay, No. 8 signal was hoisted at the stations in the Hooghly, denoting that the storm would probably pass between False Point and Saugor Island, and the Orissa ports and those on the Madras coast from Coconada northwards were advised of the further advance of the storm, the usual warning signals being hoisted on the Orissa coast. Again during the evening of the 15th, as the storm advanced rapidly towards the land, the danger signals were ordered to be hoisted at the stations on the Orissa coast.

At 8 A.M. of the 16th, the centre of the storm was to the west of Cuttack, and following in its rear a severe south-westerly and south-easterly gale set in across the Orissa coast and in the north-west angle of the Bay, and some excessively high wind velocities were recorded during the early part of the 16th, Pooree reporting an hourly wind velocity of 54 miles, while at False Point the anemometer was blown away; but at about 3 P.M. of this day, as the stormy weather was moderating, the storm signals were ordered to be lowered. In the Hooghly, therefore, the storm signals were hoisted for about 54 hours continuously. With the advance of the storm inland very heavy rain set in over Orissa, and moderate rain generally over the remainder of the province. Thus on the 16th Khurdah reported 6·53 inches, False Point 4·46 inches, and Gop on the 15th, 5·40 inches of rain.

The storm then advanced almost due westwards, and on the 17th the centre was a little to the east of Nagpur, and the storm itself occupied the greater part of the Central Provinces. On the 18th the storm centre had advanced to about fifty miles north-west of Nagpur, and on the 19th it had advanced into Bundelkund, South-East Rajputana, and the eastern districts of Central India, and the centre was midway between Saugor and Jhansi. On the 20th the storm had apparently advanced northwards into the western districts of the North-West Provinces and the South-East of the Punjab, and it then continued to pass northwards, advancing across the Simla and Mussoorie Hills, where it broke up apparently on the evening of the 20th or the morning of the 21st. This storm had therefore a life history of certainly nine days, and the length of its path was probably at least about 2,100 miles, but as no trace of its existence before nearing Tavoy can be obtained, it may be that its path was even larger than this. In certain respects the storm is one of the most remarkable of those on record in Indian meteorology, as there is apparently no instance of any previous storm having originated in Siam or the Gulf of Siam, and having crossed the whole of the Bay of Bengal, and then having travelled through a considerable part of Northern India.

As previously stated, the storm brought up heavy rain to the districts through which it passed, and following in its rear a rather strong advance of monsoon winds swept over the whole of Northern India, giving general rain in Bengal for several days in the week.

Pressure.—The pressure variations during the earlier part of the week were entirely dependent on the passage of the cyclonic storm, but with its disappearance inland pressure rose in Bengal with great rapidity, and the mean pressure for the week has been rather largely above the normal. The usual excess in the mean pressure has been about 0·07 inch, but at the stations in Orissa the average for the week has been either normal or slightly below it. In Assam an excess pressure of about 0·05 inch is recorded.

Temperature.—The mean temperature for the province for the week has been 0·5° in defect of the normal. In East and North Bengal indeed slight excess pressures are recorded, while the largest defects are in North Behar and Chutia Nagpur, where they amount to from one to two degrees. In Assam an excess temperature of 1·3° has been recorded.

Rainfall—Has been heaviest in Orissa and the south-western districts generally and lightest in Behar. In Orissa the very heavy general fall of 4·90 inches is recorded,

which is no less than 2·23 inches in excess of the normal amount. In South-West Bengal an average fall of 2·15 inches is reported, or about two-thirds of an inch in excess of the normal; in East and North Bengal the falls have averaged about two inches, or slightly less than the usual amounts; while over the remainder of the province the falls have ranged from about an inch to an inch and are quarter, and have also been slightly less than the normal, but the defects in no case are very large.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 21st of September 1888 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week. Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.	Of week. Average.	Normal average.	Variation.	Rainy days. Average number in week.	Normal average number in week.	Variation.	Since 1st of month. Average.	Normal average.	Since 16th May. Average.	Normal average.
Orissa*	92·4	73·8	88·9	77·6	82 2	−1·2	4 90	2·67	+2·23	5·0	3·8	+1·2	8·00	8·01	44·99	42·80
South-West Bengal ...	93·3	74·1	88·3	77·8	83·0	−0·5	2·15	1·47	+0·68	3·5	3·2	+0·3	6·08	6·46	50·66	44·04
East Bengal	94·3	73·8	88·3	77·6	83·0	+0·3	2·10	2·25	−0·15	3·6	3·7	−0·1	7·10	8·61	63·99	63·35
North Bengal	95 8	71·8	89·2	77 9	83·6	+0·5	1·93	2·43	−0·50	3·7	3·4	+0·3	5·92	9·64	50·37	61·13
North Behar	95·2	73 6	88·9	77·6	83·3	−1·0	1·20	1·34	−0·14	3·5	2·5	0	5·97	6·65	40·99	41·19
South Behar	95·5	74·8	89·8	78·1	83·9	−0·3	1·07	1·32	−0·25	3·1	2 7	+0·4	6·27	5·83	46·87	37·43
Chutia Nagpur	87·5†	68·9†	82·2†	71·3†	76·7†	−1·7†	1·26	1·56	−0·30	4·4	3·5	+0·9	6·10	6·59	47·67	42·93
Assam	98 0	73·5	90·3	77·1	83·7	+1·3										

* Pooree not included. † Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 25th September 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 16th to 22nd September 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Hygrometry. Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
September	16th ...	80·4	89·0	12·3	76·7	78·1	·945	77·6	91	0·49
"	17th ...	81·6	86·4	8·6	77·8	79·1	·962	78·1	89	0·53
"	18th ...	77·5	79·4	3·4	76·0	76·9	·918	76·6	98	0·97
"	19th ...	81·1	88·0	11·4	76·6	79·0	·965	78·2	91	......
"	20th ...	83·0	89 5	12·5	77·0	79·5	·962	78·1	85	......
"	21st ...	83·9	91 0	13·0	78·0	80·6	1·001	79·2	86	......
"	22nd ...	83·6	92·2	14·2	78·0	80·3	·991	79·0	86	......

	°
The mean temperature of the seven days	81·6
The extreme variation of temperature	16·2
The maximum temperature	92·2
	%
The mean relative humidity	89
	Inches.
The total fall of rain from 16th to 22nd September 1888	1·99

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 24th September 1888.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 16th to 22nd September 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Sept.	16th	147·5	1·4	29·646	81·9	86·4	10 1	76·3	78·9	0·951	77·7	87	E and ESE	262	0·53	Chiefly cloudy, o, g, p, t.
„	17th	143·1	2·8	·684	81·0	85·4	8·2	77·2	78·9	·959	78·0	90	ESE and SSE	188	0·33	Chiefly cloudy, o, p, d, t.
„	18th	88·0	Nil	·759	79·3	81·2	6·0	75 2	77·8	·973	78·4	93	SSE and SE by S	56	0 96	Cloudy, o, g, d, p.
„	19th	149·2	3·8	·833	80·8	86·4	9 9	76 5	78·4	·942	77·4	90	SE by S and S by E	50	0·01	Chiefly cloudy, o, g, d, ⌓.
„	20th	150·5	9·3	·862	82 4	86·8	10·6	76·2	79·0	·950	77·7	86	SE by S and SW	69	0·03	Chiefly cloudy, p, ⌓.
„	21st	159·0	9 1	·830	83 9	88·8	10 1	78 7	8[illegible]·1	·979	78·6	84	SW by S and SW	142	Nil	Chiefly cloudy, t, <.
„	22nd	148·6	5 5	·840	85·0	90 3	12 0	78·3	80·4	·978	78 6	81	SW and WNW	60	......	Chiefly cloudy, o, ⌓.

	Inches.
The mean pressure of the seven days	29·779
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·685
	Hours.
The total number of hours of bright sunshine	31·4
The maximum possible number of hours of sunshine	85 1
	°
The mean temperature of the seven days	82 0
The average temperature of the corresponding period for 24 years, S. G.'s Office	83·1
The extreme variation of temperature	15·1
The maximum temperature	90·3
	Miles.
The highest velocity of the wind in one hour	18
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	87
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	86
	Inches.
The total fall of rain from 16th to 22nd September 1888	1·86
The average fall of the corresponding period for 24 years, S. G.'s Office ...	2·62
The total fall from 1st January to 22nd September 1888	62·33
The average fall of the corresponding period for 24 years, S. G.'s Office ...	56·76

The mean pressure, temperature, &c, are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, < lighting, ⌓ dew.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 24th September 1888.

MEMORANDUM.

DURING the week ending 8th September 1888, births and deaths were registered in the principal Municipalities in Bengal at the rates respectively of 22·6 and 35·7 per 1,000 of population, against 21·2 and 34·8 per 1,000 during the preceding week, showing an improvement in the registration of both the events.

2. The following Municipalities returned the highest proportions of births and deaths :—

Births.	Ratio per *mille.*	*Deaths.*	Ratio per *mille.*
Monghyr	48·8	Gya	110·0
Arrah	40·7	Arrah	90·9
Gya	36·9	Chupra	50·8
Puri	35·7	Patna	41·5
Bhagulpore	35·3	Comillah	38·5
Chittagong	32·9	Suburbs of Calcutta	37·4
Durbhanga	30·7	Bhagulpore	33·5
Naraingani	29·0	Jessore	30·6
		Serampore	29·4

3. The mortality from the diseases mentioned below, does not exhibit any noticeable difference in comparison with the death-rates from the same causes during the preceding week :—

	Ratio per *mille* during the weeks ending— 8th September 1888.	1st September 1888.
Cholera	8·4	8·8
Small-pox	·03	......
Fever	12·7	12·0
Bowel-complaints	3·7	3·4
Injury	·5	·3
Other causes	10·3	10·3

4. The highest death-rates from cholera, fever, bowel-complaints, and the diseases classed under the head of "Other causes," were returned from the following Municipalities, the rest of the maladies not proving noticeably fatal anywhere :—

Cholera.	Ratio per *mille.*	*Fever.*	Ratio per *mille.*	*Bowel-complaints.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Arrah	63·4	Gya ...	33·5	Serampore ...	11·8	Gya ...	32·8
Gya	41·6	Comillah ...	30·8			Suburbs of Calcutta ...	15·5
Chupra	26·4	Jessore ...	24·5			Arrah ...	14·3
Patna	16·9	Bhagulpore ...	20·8			Bhagulpore ...	10·9
Serampore ...	7·8					Puri ...	10·5

5. The mortality referable to *Sex, Class* and *Age* stood as follows :—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	36·6	Christians ...	21·7	Under 1 year ...	310·4
Females	34·7	Hindus ...	38·4	1 and under 5 years ...	64·0
Ratio of male deaths to every 100 female deaths	119	Mahomedans ...	30·1	5 „ 10 „ ...	19·0
		Other classes ...	36·4	10 „ 15 „ ...	16·7
				15 „ 20 „ ...	27·2
				20 „ 30 „ ...	20·0
				30 „ 40 „ ...	24·1
				40 „ 50 „ ...	20·8
				50 „ 60 „ ...	32·2
				60 years and upwards ...	79·5

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

The 24th September 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 8th September 1888.

1	2	3			4			5			6
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.						
					Number of—			Ratio per 1,000 of population per annum.			Ratio of male births to every 100 female births.
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
Burdwan ...	Burdwan ...	18,063	16,017	34,080	5	9	14	7·6	13·7	21·4	55
Midnapore ...	Midnapore ...	16,927	16,633	33,560	6	8	14	9·3	12·4	21·7	75
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	8	6	14	10·7	8·1	18·8	133
Serampore ...	Serampore ...	13,579	12,937	26,406	6	1	7	11·8	1·9	13·7	600
	Utterpara ...	3,446	2,464	5,910	1	...	1	9·4	...	9·4	No female birth.
Howrah ...	Howrah ...	53,153	37,662	90,815	20	15	35	11·4	8·6	20·0	133
	Bali ...	7,836	6,979	14,815	1	2	3	3·5	7·0	10·5	50
24-Pergunnahs ...	Suburbs of Calcutta ...	147,204	104,234	251,438	52	40	92	10·8	8·2	19·0	130
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	2	2	4	3·7	3·7	7·5	100
	Ranaghat ...	4,448	4,635	9,083	...	...	...	...	...	...	...
	Santipore ...	13,708	15,979	29,687	4	1	5	7·0	1·7	8·7	400
Jessore ...	Jessore ...	4,830	3,665	8,495	...	...	...	...	...	...	......
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	5	4	9	13·1	10·5	23·6	125
Darjiling* ...	Darjiling* ...	5,529	2,447	7,976	2	2	4	13·0	13·0	26·1	100
Dacca ...	Dacca ...	42,782	37,379	80,161	8	5	13	5·2	3·2	8·4	160
	Narsinganj ...	7,605	4,456	12,061	3	4	7	12·4	16·5	30·0	75
Chittagong ...	Chittagong ...	18,349	3,780	22,129	6	8	14	14·1	18·8	32·9	75
Tipperah ...	Comillah ...	8,153	5,353	13,506	2	3	5	7·7	11·5	19·2	66
Patna ...	Patna City ...	78,762	81,475	160,237	30	20	50	9·7	6·5	16·2	150
Gya ...	Gya ...	38,290	37,831	76,121	32	22	54	21·9	15·0	36·9	145
Shahabad ...	Arrah ...	20,960	22,505	43,465	20	14	34	23·9	16·7	40·7	142
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	11	6	17	13·4	7·3	20·7	183
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	24	15	39	15·9	11·8	30·7	160
Sarun ...	Chupra ...	26,044	27,205	53,249	19	6	25	18·5	5·9	24·4	316
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	24	15	39	21·7	13·6	35·3	160
Monghyr ...	Monghyr ...	28,154	29,366	57,520	24	30	54	21·7	27·1	48·8	80
Purneah ...	Purneah ...	8,463	6,553	15,016	3	1	4	10·4	3·5	13·9	300
Pori ...	Puri ...	13,247	11,537	24,784	10	7	17	21·0	14·7	35·7	142
	TOTAL ...	702,890	619,691	1,322,581	328	246	574	12·9	9·7	22·6	133

2	7							8							9	10		11		12
	MORTALITY ACCORDING TO—																			
	Disease.															Sex.				
	Deaths from—							Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the previous week.	Deaths.		Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths.
NAMES OF MUNICIPALITIES.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.		Males.	Females.	Males.	Females.	
Burdwan	1	...	9	3	1	4	18	1·5	...	13·7	4·6	1·5	6·1	27·5	27·6	13	5	37·4	16·2	260
Midnapore	...	...	1	...	...	4	5	...	...	1·5	...	...	6·2	7·7	32·5	2	3	6·1	9·4	66
Hughli and Chinsurah	...	...	9	3	1	5	18	...	...	12·1	4·0	1·3	6·7	24·2	17·5	14	4	38·0	10·6	350
Serampore	4	...	2	6	...	3	15	7·8	...	3·9	11·8	...	5·9	29·4	27·5	8	7	30·7	28·1	114
Utterpara	...	...	1	...	...	...	1	...	...	9·4	...	...	...	9·4	37·8	1	...	17·0	...	No female death.
Howrah	2	...	23	13	...	12	50	1·1	...	13·2	7·4	...	6·8	28·6	15·5	37	13	38·2	18·1	284
Bali	...	...	1	2	...	2	5	...	...	3·5	7·0	...	7·0	17·5	21·1	4	1	26·5	7·5	400
Suburbs of Calcutta	8	...	64	31	3	75	181	1·7	...	13·2	6·4	·6	15·5	37·4	34·5	100	81	35·3	40·4	123
Kishnaghur	...	...	4	...	1	1	6	...	...	7·5	...	1·9	1·9	11·4	13·2	3	3	11·7	11·0	100
Ranaghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·0	...	...	...	...	....
Santipore	...	...	1	...	...	2	3	...	...	1·7	...	...	3·5	5·2	1·7	2	1	7·6	3·2	200
Jessore	...	...	4	1	...	...	5	...	...	24·5	6·1	...	...	30·6	...	3	2	32·3	25·4	150
Rampore Beauleah	...	...	7	...	...	...	7	...	...	18·4	...	...	...	15·4	31·5	3	4	14·5	23·0	75
Darjiling*	...	...	3	1	...	...	4	...	...	19·6	6·5	...	...	26·1	19·6	3	1	30·9	17·6	300
Dacca	1	...	10	3	...	14	25	·6	...	6·5	1·9	...	9·1	18·2	13·6	18	10	21·9	13·9	180
Narsinganj	...	...	2	1	...	3	6	...	...	8·3	4·1	...	12·4	24·8	20·7	3	3	26·5	31·5	100
Chittagong	...	...	6	3	...	3	12	...	...	11·1	7·0	...	7·0	23·2	11·7	8	4	31·2	23·7	200
Comillah	...	...	8	...	...	2	10	...	...	30·8	...	...	7·7	38·5	3·8	4	6	25·5	58·2	66
Patna City	52	...	42	7	2	25	128	16·9	...	13·6	2·3	·6	8·1	41·5	41·8	63	60	44·9	38·3	113
Gya	61	...	49	2	1	48	161	41·6	...	33·5	1·4	·7	32·8	110·0	131·2	84	77	114·1	105·8	109
Arrah	63	...	10	1	...	12	76	63·4	...	12·0	1·2	...	14·3	90·9	89·7	37	39	91·8	90·1	94
Mozufferpore	3	...	4	...	...	7	14	3·6	...	4·9	...	...	8·5	17·0	15·8	8	6	18·0	13·9	133
Durbhanga	...	...	15	6	...	7	28	...	...	11·8	4·7	...	5·5	22·0	26·7	14	14	21·6	22·5	100
Chupra	27	1	10	4	2	8	52	26·4	1·0	9·8	3·9	1·9	7·8	50·8	33·2	22	30	43·9	57·3	73
Bhagulpore	1	...	23	1	...	12	37	·9	...	20·8	·9	...	10·9	33·5	29·9	17	20	29·8	37·4	85
Monghyr	1	...	8	5	1	9	24	·9	...	7·2	4·5	·9	8·1	21·7	25·9	14	10	25·9	17·7	140
Purneah	...	...	5	...	...	...	5	...	...	17·3	...	...	...	17·3	17·3	1	4	6·1	31·7	25
Puri	1	...	3	1	...	5	10	2·1	...	6·3	2·1	...	10·5	21·0	27·3	4	6	15·7	27·0	66
TOTAL	215	1	324	94	12	263	906	8·4	·03	12·7	3·7	·5	10·3	35·7	34·8	495	414	36·6	34·7	119

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

DISTRICTS.	NAMES OF MUNICIPALITIES.	13 — Mortality according to Class — Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	14 — Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	15 — Mortality according to Age — Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16 — Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	...	13	5	...	...	...	28·5	25·3	...	...	3	2	1	1	...	1	1	4	2	3	[illegible]	44·1	22·3	20·7	...	6·6	7·5	47·1	42·4	105·3
Midnapore	Midnapore	...	5	...	...	...	...	10·0	...	...	...	1	1	...	...	1	...	2	...	...	...	70·0	22·1	...	...	16·5	...	18·8	...	...	...
Hughli	Hughli and Chinsurah	1	14	3	...	...	226·1	23·0	22·9	...	...	2	3	2	1	...	2	1	3	2	2	110·3	58·5	29·9	17·2	...	13·4	7·4	30·3	51·8	41·5
Serampore	Serampore	...	14	1	...	...	...	28·8	55·4	...	...	1	1	...	2	...	1	1	1	4	4	73·2	28·8	...	46·8	...	9·7	10·5	15·4	108·6	149·5
	Utterpara	...	1	...	...	...	...	9·7	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	49·0	...	...	...
Howrah	Howrah	1	33	15	...	1	27·5	25·2	38·0	...	25·8	11	3	3	2	4	4	11	5	2	5	277·3	28·2	24·8	13·8	28·4	9·2	29·7	22·1	19·0	63·8
	Bali	...	5	...	...	...	...	19·4	...	...	...	1	1	...	...	...	2	...	...	1	...	147·6	52·1	...	...	...	31·1	...	...	49·6	...
24-Pergunnahs	Suburbs of Calcutta	2	119	60	...	...	25·7	41·3	32·3	...	...	56	22	5	...	11	22	22	12	12	19	611·1	70·8	13·1	...	31·7	19·7	22·2	18·4	36·8	69·4
Nuddea	Kishnaghur	...	2	4	...	...	...	5·5	25·1	...	...	...	1	...	...	1	2	...	...	...	2	...	21·1	...	...	25·3	21·6	...	...	...	60·2
	Ranaghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Santipore	...	3	...	...	...	...	7·5	...	...	...	2	...	...	...	...	...	...	...	...	1	123·1	...	...	...	...	...	...	...	...	26·5
Jessore	Jessore	...	4	1	...	...	...	46·1	13·6	...	...	...	...	...	...	...	...	...	...	1	4	...	...	...	...	...	...	...	...	92·4	454·1
Rajshahye	Rampore Beauleah	...	5	2	...	...	...	26·2	16·6	...	...	1	...	...	...	1	4	...	...	...	1	128·1	...	...	...	31·3	50·0	...	...	...	54·0
Darjiling	Darjiling	1	3	...	...	...	46·5	33·9	...	...	...	...	2	2	...	...	...	...	...	...	...	...	161·7	177·8	...	...	...	...	...	...	...
Dacca	Dacca	...	14	14	...	...	...	18·1	18·5	...	...	7	1	2	1	3	4	2	3	1	4	191·8	7·1	10·5	6·5	21·4	13·6	8·9	15·6	11·0	37·1
	Narainganj	...	4	2	...	...	...	32·9	16·9	...	...	3	...	...	...	2	1	...	...	...	...	559·1	...	...	...	43·0	19·5	...	...	...	...
Chittagong	Chittagong	...	3	9	...	...	...	26·9	30·6	...	...	1	1	...	...	1	2	4	2	1	...	92·4	26·4	...	...	21·5	22·4	62·4	46·1	47·9	...
Tipperah	Comillah	...	7	3	...	...	...	61·2	21·1	...	...	1	...	2	...	1	1	2	...	1	2	175·1	...	63·9	...	21·5	18·8	52·2	...	61·9	153·4
Patna	Patna City	...	102	26	...	...	...	44·6	33·0	...	...	14	15	7	7	3	17	13	10	9	30	165·9	61·1	21·6	25·3	14·0	30·6	29·1	27·8	33·1	113·0
Gya	Gya	...	148	13	...	...	...	128·2	42·0	...	...	26	41	11	13	4	8	16	11	8	23	755·3	335·5	91·7	100·4	39·7	53·0	65·3	58·5	63·3	232·4
Shahabad	Arrah	...	62	14	...	...	...	104·0	58·7	...	...	9	12	7	2	9	13	12	5	4	4	363·4	140·1	71·0	23·6	132·0	86·1	95·4	55·5	67·2	72·1
Mozufferpore	Mozufferpore	...	8	6	...	...	...	13·9	23·0	...	...	2	2	...	2	...	3	2	1	...	2	108·9	25·7	...	26·3	...	18·2	14·9	10·4	...	42·7
Durbhanga	Durbhanga	...	19	9	...	...	...	20·4	26·6	...	...	12	8	1	1	1	...	2	...	1	2	400·8	54·7	6·6	9·3	12·9	...	9·3	...	11·6	32·6
Sarun	Chupra	...	32	20	...	...	...	40·5	86·5	...	...	9	2	1	2	7	13	7	4	3	4	324·1	19·6	8·9	20·2	102·0	71·1	45·1	33·1	37·0	59·8
Bhagulpore	Bhagulpore	...	24	13	...	...	...	31·4	39·2	...	...	8	6	2	2	...	3	2	3	4	7	348·4	57·6	17·7	16·5	...	14·3	11·2	24·3	48·8	101·1
Monghyr	Monghyr	...	18	6	...	...	...	20·9	24·8	...	...	7	6	1	...	4	1	2	...	...	3	245·1	50·1	7·4	...	55·1	5·0	11·7	...	...	43·5
Purneah	Purneah	...	4	1	...	...	...	22·7	9·1	...	...	2	...	...	...	...	...	2	...	...	1	367·5	...	...	...	...	...	36·5	...	...	64·4
Puri	Puri	...	10	...	...	...	...	21·2	...	...	...	2	2	1	1	...	...	1	...	3	...	343·2	57·9	23·2	27·7	...	...	12·8	...	69·9	...
	TOTAL	5	676	227	...	1	21·7	38·4	36·1	...	36·4	181	135	48	37	52	104	103	64	59	123	310·4	64·0	19·0	16·7	27·2	20·0	24·1	20·8	32·2	79·5

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 24th September 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Offg. Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 22nd September 1888, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 22nd September 1888.			Week ending Saturday, the 24th September 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	673	1,37,150	2,381	538	90,475	1,502
Jute	225	78,150	1,379	90	36,045	657
Firewood	147	17,900	1,104	80	45,150	670
Other articles	949	2,33,750	3,538	746	1,47,410	2,657
Total ...	1,994	5,26,950	8,402	1,454	3,19,080	5,486

Bengal Central Railway.

Abstract of principal commodities carried over the Bengal Central Railway during the month of July 1888, as compared with the same month of the previous year.

Staples.	1888. Up.	1888. Down.	1887. Up.	1887. Down.	Total. 1888.	Total. 1887.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	959	.....	1,097	1	959	1,098	.....	139
Cotton, raw	......	2	....	6	2	6	....	4
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	182	1	195	2	183	197	......	14
b.—In boxes								
2.—Indian—								
a. In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	4	206	3	115	210	118	92	......
5.—Others	11	90	27	349	101	376	...	275
Hides and Skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	..	9	....	19	9	19	......	10
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrewed	..	299	......	573	299	573	..	274
2.—Gunny bags and cloth	7	1	10	24	8	34	..	26
Metals—								
1.—Copper, unwrought								
2. Brass, unwrought								
3.—Brass and copper, wrought								
4.—Iron	48	20	65	14	68	79	......	11
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	73		69	......	73	69	4	......
3.—Others	50		110	......	50	110	......	60
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Nizer	115	521	216	466	636	682	.....	46
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	...	218	1	75	218	76	137	......
3.—Others	59	38	28	39	97	67	30	......
Railway plant and rolling-stock	30	8	104	142	38	246	..	208
Salt	153	..	234	......	153	234	..	81
Sugar—								
1.—Drained								
2.—Undrained	13	670	29	134	683	463	220	......
Wood—								
1.—Timber								
2.—Firewood	23	43	32	1	66	33	33	
Tobacco	22	31	37	11	53	48	5	......
All other articles of merchandise—								
1.—Unmanufactured								
2.—Manufactured	307	225	412	218	532	630	.....	98
Total	2,056	2,377	2,689	2,189	4,433	5,158	521	1,246

Comparative Statement of the principal commodities carried over the Bengal Central Railway during the month of July 1888.

INCREASES.

	Tons.
Rice	92
Due to a fair demand in Calcutta and advance in the market prices.	
Betel-nuts	173
Chiefly from Bengal Central Flotilla stations for exportation to Burmah.	
Sugar	220
Principally from Jhikargacha, Singhior and Gobordanga. Demand for shipment.	

DECREASES.

Coal	139
Reduced requirements for Railway and flotilla purposes.	
Grains other than wheat, rice bajra and grain	275
Principally from Khoolna, Bongong and Jhikargacha.	
Jute, unscrewed	274
Principally from Khoolna, due to opening of the Nawapara Steamer Service as a distinct service and delay in manufacture owing to drought in the month of June.	
Railway plant and rolling-stock	208
Reduced requirement for purposes of construction and renewal.	

Increases and decreases in other items are due to ordinary fluctuations of traffic.

CALCUTTA, *the 20th September* 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of August 1888, *as compared with the same month of the previous year.*

Staples.	1887.		1888.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1887.	1888.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	635	......	1,606	......	635	1,606	971	......
Cotton, raw	13	......	2	......	13	2	......	11
Cotton twist and yarn—								
1.—European—								
(a) in bales and bundles ...	53	......	......	......	53	......	......	53
2.—Indian—								
(a) in bales and bundles ...	1	......	......	......	1	......	......	1
Cotton piece-goods—								
1.—European	......	......	8	......	......	8	8	......
Jute—								
2.—Gunny bags and cloths	6	7	4	5	13	9	......	4
Grains—								
2.—Rice	21	253	14	107	274	121	......	153
5.—Others	1	14	10	9	15	19	4	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	2	......	......	......	2	......	......	2
b.—Undressed	1	......	......	1	1	1	......	......
Leather, manufactured	......	......	1	......	......	1	1	......
Liquors—								
1.—Beer	......	......	1	......	......	1	1	......
2.—Wines	2	......	1	......	2	1	......	1
Metals—								
2.—Iron	26	......	15	......	26	15	......	11
4.—Others	2	3	4	4	5	8	3	......
Oils—								
1.—Castor	1	......	......	......	1	......	......	1
2.—Kerosine	2	......	3	......	2	3	1	......
3.—Others	4	......	7	......	4	7	3	......
Provisions—								
1.—Ghee	8	......	1	......	8	1	......	7
2.—Dried fruits and nuts	......	......	3	15	......	18	18	......
Railway plant and rolling-stock	32	......	139	13	32	152	120	......
Salt	42	......	46	......	42	46	4	......
Oilseeds—								
2.—Mustard and rape	24	......	77	1	24	78	54	......
6.—Others	30	......	......	......	30	......	......	30
Silk, raw—								
2.—Indian	1	28	......	31	29	31	2	......
Silk piece-goods—								
2.—Indian	7	......	......	4	7	4	......	3
Stone and lime	......	......	17	......	......	17	17	......
Sugar—								
1.—Drained	12	......	30	......	12	30	18	......
2.—Undrained	......	......	5	......	......	5	5	......
Tobacco	7	1	......	......	8	......	......	8
Paper and pasteboard	......	......	1	......	......	1	1	......
All other articles of merchandise	36	60	54	14	96	68	......	28
Total ...	969	366	2,049	204	1,335	2,253	1,231	313

Increase. — Tons.

Coal 971

This increase is due to greater import for silk factories being worked on an extensive scale by steam power.

Cotton piece-goods—

(1) European 8

This increase is due to there being no traffic under this head last year on account steamer service between Jeaganj and Calcutta.

Provisions—

(2) Dried fruits and nuts 18

This increase is due to greater export of dry mangoes during this year.

Railway plant and rolling-stock 120

This increase is due to more materials carried during the month.

Oilseeds—

(2) Mustard and rape 54

This increase is due to greater import, the bazar being high.

Stone and lime 17

This increase is due to greater demand for building purposes.

Sugar—

(1) Drained 18

This increase is due to greater import, the market being high.

Decrease.

Cotton, raw 11

This decrease is due to less import owing to dull market.

Grains—

(2) Rice 153

The decrease under this head is due to less export from intermediate stations.

Oilseeds—

(6) Others 0

The decrease under this head is due to gooja seed being not imported this year.

The 20*th September* 1888.

R. G. Mookerjee, *Manager, Nalhati State Railway.*

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 15th September 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	216,494	2,21,247 15 0	27,16,440 20	5,15,470 14 0	16,487 7 6	7,53,206 4 6	63,696½	85,148	148,844½
Or per mile of railway ...	......	146 2 7	......	340 8 5	10 14 3	497 9 3	......	......	......
For previous 10 weeks of half-year	2,238,184	21,82,451 8 0	2,30,94,768 30	43,01,552 7 2	1,55,043 9 5	66,39,047 8 7	640,417½	756,391½	1,396,809½
Total for 11 weeks ...	2,454,678	24,03,699 7 0	2,58,11,209 10	48,17,023 5 2	1,71,531 0 11	73,92,253 13 1	704,114	841,539½	1,545,653½
Comparison.									
Total for corresponding week of previous year	224,869	2,24,670 10 7	23,08,106 20	4,83,810 15 6	15,244 1 7	7,23,725 11 8	62,445	82,335	144,780
Per mile of railway corresponding week of previous year	......	147 14 6	......	318 8 1	10 0 7	476 7 2	......	......	......
Total to corresponding date of previous year	2,750,302	27,32,684 12 3	2,41,96,842 30	50,43,356 8 9	1,85,888 10 3	79,61,929 15 3	731,241	915,952	1,647,193

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	7,23,726	476	1,513¾	7,53,206	498	1,519	2,03,69,480	559	1,513¾	1,90,94,532	520	......	12,74,948

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 15th September 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,660	5,418 4 0	31,563 10	2,167 8 0	21 9 0	7,607 5 0	1,835	730	2,565
Or per mile of railway	185½	94 11 7	552 0	37 14 4	0 6 0	132 15 11	......	......	......
For previous 10 weeks of half-year	93,464	44,459 9 0	3,45,252 30	21,861 9 0	252 10 3	66,573 12 3	17,256	7,724	24,980
Total for 11 weeks ...	104,124	49,877 13 0	3,76,816 0	24,029 1 0	274 [illegible] 3	74,181 1 3	19,091	8,454	27,545
Comparison.									
Total for corresponding week of previous year	22,681½	13,590 12 11	32,828 0	2,317 15 0	28 15 0	15,937 10 11	2,056	338	2,394
Per mile of railway corresponding week of previous year ...	397	237 9 8	574 0	40 8 4	0 8 1	278 10 1	......	......	......
Total to corresponding date of previous year	172,641½	94,283 9 10	4,34,054 10	27,617 5 0	412 5 9	1,22,313 4 7	21,033	7,535	28,568

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	15,938	279	57½	7,607	133	57½	2,41,476	176	57½	*1,90,693	139	......	50,783

* Added Rs. 618 on account of supplemental returns for 30th June 1888.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 15th September 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,645	444 14 0	4,737 20	101 9 0	4 0 0	550 7 0	424½	69	493½
Or per mile of railway	......	37 1 2	......	8 7 5	0 5 4	45 13 11	......	......	......
For previous 10 weeks of half-year	28,997	4,797 7 0	65,620 0	1,517 1 0	53 1 9	6,367 9 9	3,964	1,205	5,169
Total for 11 weeks ...	31,642	5,242 5 0	70,357 20	1,618 10 0	57 1 9	6,918 0 9	4,388½	1,274	5,662½
Comparison.									
Total for corresponding week of previous year	2,806½	474 4 8	6,704 0	173 9 0	11 2 0	658 15 8	420	73	493
Per mile of railway corresponding week of previous year ...	......	39 8 4	......	14 7 5	0 14 10	54 14 7	......	......	......
Total to corresponding date of previous year	33,229	5,502 8 5	93,642 0	2,131 1 0	79 12 8	7,713 5 8	4,550	1,014	5,564

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	659	55	12	550	46	12	22,314	78	12	*22,678	79	364	......

* Deducted Rs. 79 on account of supplemental returns for 30th June 1888.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 15th September 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	5,177	3,320 10 0	86,294 30	2,176 0 0	68 12 0	5,565 6 0	656	790	1,446
Or per mile of railway	......	44 6 4	......	29 1 5	0 14 8	74 6 5	......	......	......
For previous 10 weeks of half-year	45,269	30,673 1 0	8,98,604 30	25,487 12 9	1,255 11 9	57,416 9 6	6,469	10,653½	17,122½
Total for 11 weeks ...	50,446	33,993 11 0	9,84,899 20	27,663 12 9	1,324 7 9	62,981 15 6	7,125	11,443½	18,568½
Comparison.									
Total for corresponding week of previous year	4,531½	4,220 5 1	1,07,230 0	4,355 7 0	56 5 6	8,632 1 7	655	2,132	2,787
Per mile of railway corresponding week of previous year ...	......	56 6 9	......	58 3 8	0 12 0	115 6 5	......	......	......
Total to corresponding date of previous year	54,593	42,871 7 5	10,59,627 10	38,587 2 0	1,097 10 0	82,556 3 5	7,997	16,165	24,162

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	R
74½	8,632	115	74½	5,565	74	74½	1,96,558	109	74½	*1,68,630	94	......	27,92

* Added Rs. 54 o , account of supplemental returns for 30th June 1888.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 15th September 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,198	4,029 1 0	3,780 0	117 6 0	3 13 0	4,150 4 0	935	33	968
Or per mile of railway ..	......	181 1 3	......	6 4 5	0 2 9	186 8 5	......	......	......
For previous 10 weeks of half-year	177,794	43,655 0 0	29,923 30	1,079 13 0	68 6 9	44,803 3 9	9,306	462	9,768
Total for 11 weeks ...	191,993	47,684 1 0	33,703 30	1,197 3 0	72 3 9	48,953 7 9	10,241	495	10,736
Comparison.									
Total for corresponding week of previous year ...	15,705½	3,718 3 3	5,253 0	182 3 0	6 9 0	3,906 15 3	897	71	968
Per mile of railway corresponding week of previous year ...	......	167 1 9	... ..	8 3 0	0 4 9	175 9 6	......	......	......
Total to corresponding date of previous year	189,853½	45,335 6 11	45,005 0	1,612 12 0	53 5 3	47,001 8 2	10,631	489	11,120

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	3,907	176	22½	4,150	187	22½	1,24,072	232	22½	*1,33,183	249	9,111	......

* Deducted Rs. 78 on account of supplemental returns for 30th June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 15th September 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,034	1,021 0 0	6,562 0	386 0 0	14 0 0	1,421 0 0	509	254	763
Or per mile of railway	111	37 0 0	241 0	14 0 0	1 0 0	52 0 0	......	......	......
For previous 10 weeks of half-year	27,173	9,904 0 0	93,206 0	5,910 0 0	499 0 0	16,313 0 0	5,090	3,194	8,284
Total for 11 weeks ...	30,207	10,925 0 0	99,768 0	6,296 0 0	513 0 0	17,734 0 0	5,599	3,444	9,047
Comparison.									
Total for corresponding week of previous year	3,043	1,055 0 0	7,886 0	493 0 0	12 0 0	1,560 0 0	509	254	763
Per mile of railway corresponding week of previous year ...	112	39 0 0	289 0	18 0 0	......	57 0 0	......	......	......
Total to corresponding date of previous year	34,824	12,124 0 0	95,122 0	6,169 0 0	245 0 0	18,538 0 0	5,781	3,430	9,211

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,560	57	27½	1,421	52	27½	41,864	64	27½	43,969	67	2,105	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 15th September 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	34,489	10,924 0 0	1,27,103 0	8,917 0 0	2,558 0 0	22,399 0 0	4,509	5,383	9,981
Or per mile of railway	133	42 0 0	491 0	34 0 0	3 0 0	79 0 0*	......	......	......
For previous 10 weeks of half-year	341,817	1,07,797 0 0	12,86,382 0	98,430 0 0	25,517 0 0	2,31,744 0 0	53,127	48,437	101,564
Total for 11 weeks ...	376,306	1,18,721 0 0	14,13,485 0	1,07,347 0 0	28,075 0 0	2,54,143 0 0	57,726	53,819	111,545
Comparison.									
Total for corresponding week of previous year on 249 miles open	41,383	13,962 0 0	1,12,001 0	11,256 0 0	2,383 0 0	27,601 0 0	5,778	4,654	10,432
Per mile of railway corresponding week of previous year ...	166	56 0 0	450 0	45 0 0	1 0 0	102 0 0*	......	......	......
Total to corresponding date of previous year	440,289	1,54,487 0 0	12,94,829 0	1,16,573 0 0	36,003 0 0	3,07,062 0 0	73,223	51,920	125,143

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	27,601	111	259	22,399	86	249	7,62,395	128	259	7,47,798	120	....	14,597

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 8th September 1888	11,726
Corresponding week last year	9,052
Increase	2,674
Receipts from 1st July to 8th September 1888	1,12,679
From 1st July to 10th September 1887	91,827
Increase	20,852
	Miles.
Miles open week ending 8th September 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 8th September 1888	229 14 9
Corresponding week last year	177 7 10
Increase	52 6 11

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WEDNESDAY, OCTOBER 3, 1888.

OFFICIAL PAPERS.

CONTENTS.

RESOLUTION ON THE BOARD'S REPORT ON WARDS' AND ATTACHED ESTATES IN THE LOWER PROVINCES FOR THE YEAR 1887-88.

REVENUE DEPARTMENT—LAND REVENUE.

Darjeeling, the 28th September 1888.

RESOLUTION.

READ—

The Report of the Board of Revenue on Wards' and Attached Estates in the Lower Provinces for the year 1887-88.

THIS excellent report, submitted on a new plan, is a great improvement over its predecessors. It is divided into three parts, the first of which contains a general review of the management of estates in the whole province; the second furnishes an account for the year of report of important estates with a rent-roll of Rs. 50,000 and upwards; and the third part gives special notices of estates taken in charge or released during the year. By this method of treatment, and the exclusion of all superfluous matter, the interest of the report has been enhanced, while its bulk has been materially diminished.

Demand, collection and balances.

2. The balances of revenue and cesses due to Government at the close of the year show some reduction. It is satisfactory to observe that the large arrears (Rs. 57,422) due from the Sultangacha estate have been paid since the close of the year, and that the property has been released from attachment. The collections of rent and cesses due to estates under the Court of Wards amount to 97·4 per cent. on the current demand. This is a larger percentage than has been attained for many

years past. The following comparative statement shows the demand and collections during the past three years :—

Year.	Arrear demand.	Current demand.	Collection.	Percentage of collection on current demand.	Remissions.	Balances.
	Rs.	Rs.	Rs.		Rs.	Rs.
1885-86	80,53,894	99,61,861	93,60,857	93·9	2,89,493	88,88,987
1886-87	81,67,509	1,01,96,559	95,80,751	94·0	3,00,426	84,84,123
1887-88	1,16,34,922	1,02,41,469	99,31,714	97·4	2,15,827	1,16,96,616

The collections were satisfactory in the Presidency and in portions of the Bhagulpore and Rajshahye Divisions, and in the districts of Chittagong and Noakholly. The result is worst in the Chota Nagpore Division, where the failure to collect is conspicuous in several of the estates under management.

3. The large increase in the arrear demand of the year is due to the assumption of charge of the Bhowanipore (Boroda Prosad Roy's) estate with a balance of over 27 lakhs of rupees, of which more than 25 lakhs are practically irrecoverable. The circumstances of this estate afford, as the Board remark, another striking illustration of the manner in which zemindari accounts are generally kept in Bengal. The current demand of rent and cesses in this property is only one and a half lakh of rupees. The accumulated balances amount to eighteen times the current demand; and although nearly the whole of them are irrecoverable, they have not been struck off. The Manager has now been directed to take measures for their early adjustment, and to apply for remission after careful enquiry. The Srinagar estate is another property which shows balances considerably in excess of the current demand. The demand of this estate is Rs. 2,62,239; and notwithstanding that over 10 lakhs of rupees of arrears, which were due from the time of the old proprietor, were remitted in 1884-85, the recorded balances still amount to Rs. 7,42,645. It is reported by the Settlement Officer that these arrears consist for the most part of rents of land long ago relinquished or abandoned, and are therefore unrealizable; but that until the settlement of each separate village is taken in hand, full particulars for remission cannot be supplied.

4. The current rent and cess demand of the Burdwan Raj estate was Rs. 45,64,664, and the arrears amounted to Rs. 39,07,569. The collections were Rs. 45,28,233, or 99·2 per cent. on the current demand, against 97·9 and 98·2 per cent. in the two previous years. The greater portion of the estate is let in putni, and the collections are therefore made without much difficulty. In Koojung, which is managed directly under the Collector of Cuttack, the demand is Rs. 1,19,167 and the collections Rs. 93,704, or 76·6 per cent.; while in Soojamoota, also under direct management, in the district of Midnapore, where the demand is Rs. 93,663, the collections amounted to only Rs. 9,206, or 9·8 per cent. The Board explain that the extremely unsatisfactory result in Soojamoota is due to the fact that the tenants have taken advantage of the dispute between the Dowager Maharani and the Court of Wards to evade payment of their rents to anyone. Subsequently they raised objections to the demand, as shown in the books of the Raj, on the ground that it included illegal cesses. The abwabs included in the Soojamoota rent-roll are 28 in number. Of these, 9, which were incorporated with the rent 18 years ago, are both equitably and legally payable, and they will in future be shown in the rent receipts, not as cesses, but as part of the rent, which in fact they really are. The claim to the remaining 19 cesses, including zemindari dák cess and Company's batta, has been abandoned. Since the close of the year it has been necessary to entertain a special establishment for the recovery of more than Rs. 2,25,000 of arrears which were about to be barred by limitation. The Lieutenant-Governor trusts that the Collector will, by the exercise of his personal influence on the spot, be able to save the tenantry from the execution of the greater number of certificates which have been made.

5. In the Tikari estate, where the current demand of rent and cesses is Rs. 6,85,485 and the arrear demand Rs. 4,12,200, the collections amounted only to Rs. 6,25,684, or 91 per cent. on the current demand. It is explained that the management was hampered by the difficulties incident to the transition

from a system of farming leases to one of direct management. The fertility of the lands largely depends on the maintenance of the village embankment and irrigation works, which have been greatly neglected by the thikadars. But making all allowance for these difficulties, the results are not satisfactory. In the Dighaputtea estate, with a current demand of Rs. 4,74,519 on account of the property of the elder ward, the collections amounted to Rs. 4,78,565, or 99 per cent. In the Nashipore estate the collections were 111 per cent. on the current demand, and in the Cossim Bazar estate 115 per cent. In the Srinagar estate the collections were 96 per cent.; in Nurhan 91·6 per cent. only. Among other large properties, the collections were very satisfactory in the Syedpore, Chanchal, Nuddea, Malwar, Raj Krishna Banerjea and Courjon estates. In the Dhankoora estate the difficulties of management proved too great for the Manager, who resigned. The collections were only 78 per cent on the current demand. It is hoped that the present Manager, Baboo Troylokya Nath Lahiri, who brings a favourable reputation with him from his administration of the Burdhankoti estate, in Rungpore, will be able to show better results. The Kanika estate, in Cuttack, which was slowly recovering from the severe damage caused by the cyclone and storm-wave of September 1885, again suffered considerable injury from the cyclone of May 1887, and it was found necessary to remit collections in the area affected. The recoveries amounted to 88 per cent. on the current demand, against 82 and 75 per cent. in the two previous years. The Collector reports that rents throughout the estate are fair and moderate, but complaints have been made of illegal exactions by the mustagirs and village headmen, and it has been necessary to issue orders prohibiting the collection of unauthorized cesses.

Surveys and record of rights.

6. The whole question of the survey and record of rights in wards' estates has been under discussion during the year, and full reports on the subject have been received from the Board and from the Director of Land Records. After the amplest consideration, the principle has been established that surveys shall only be undertaken in those estates in which funds are available, and which have no proper rent-roll upon which a certificate of arrears could be based. The proposals of the Director were therefore considerably modified, and, in accordance with the suggestions of the Board of Revenue, the programme has been revised so as to include the following estates only:—

	Name of Estate.	Estimated area.	Estimated cost of surveys and records of rights.
		Acres.	Rs.
1.	Srinagar	500,000	2,40,119
2.	Sunkerpore	176,000	88,000
3.	Maldwar	105,255	52,627
4.	Chooramon (ijmali properties) ...	52,910	26,455
5.	Burdwan Raj (Koojung) ...	229,366*	70,000
6.	Burdwan Raj (khas mehals, including Soojamoota)	98,000	50,000
7.	Kanika	333,392†	55,000
8.	Cossim Bazar (pergunnah Sarail) ..	195,370	1,00,000
9.	Dakhin Shahbazpore (subject to the consent of the proprietors to the survey)	62,824	31,412
10.	Jogearah	1,276	500

7. Although the scheme now sanctioned appears to be meagre in comparison with the more ambitious proposals put forward by the Director, the Lieutenant-Governor considers that a programme which comprises the professional survey, the record of rights in, and the settlement of, eight or ten large wards' estates, comprising more than a million acres, is really a large undertaking, and quite as much as the Court of Wards is justified in attempting at present. His Honour entirely agrees with the Board of Revenue that the procedure under the Tenancy Act, which is calculated to produce very beneficial results where disorder prevails, should not be extended to other estates merely because they are large, or solvent, or valuable. It is also very important that

* Of this 100,000 acres are in forest, and the outer boundary only will be demarcated.
† Only 83,000 acres are supposed to be under cultivation.

in regard to each estate it is proposed to survey, the funds in hand and time available should be borne in mind. It is always advisable that the proprietors of estates should have some money in hand when their estates are released. A very large amount is, indeed, likely to be a fatal gift. But some money is necessary for inaugurating a new *regime* and for the expenses which a large landlord, just out of his tutelage, is bound by the pressure of those around him to undergo.

8. In regard to the first four estates abovementioned, action has already been taken. A party has been supplied by the Survey Department for the traverse and cadastral survey of the Srinagar estate. The settlement operations have been placed under Mr. Collin. The work commenced in December 1887, and it is calculated that it will be completed by the 31st December 1890. The Sunkerpore and Maldwar surveys are also being conducted by a professional party, but in the Chooramon estate the measurement has been done by non-professional agency. The Lieutenant Governor is aware that these operations are receiving the close attention of the Board and of the Director of Land Records, but he observes with some anxiety that in the Sunkerpore estate, where the proceedings are approaching completion, the expense incurred is much larger than was anticipated. The proceedings now in hand are necessarily experimental in character, and may therefore be expected to be more expensive than they will ultimately become when greater experience has been gained. It is unsatisfactory to observe the small proportion of the expense which had been recovered from the co-sharers, both in the Srinagar and Sunkerpore estates. The account given by the Board of the Chooramon settlement is not creditable to the Court of Wards' administration. The survey has been completed, but, through the neglect of the Manager, who appears to be too infirm for his work, the settlement has been left untouched, and it has been found necessary to appoint a special Settlement Officer to undertake duties which should properly have been discharged without any additional expense to the estate. The Commissioner writes of this property:—

> "The financial position of the estate is not good, though it is under no liabilities, owing to heavy expenditure incurred on account of the survey and settlement of the estate. The collections have become bad, and the balances are mounting up. All the Government securities have been expended, and the Manager reports that it will be difficult to realize sufficient rent to pay up expenses before the collection of the new year 1295B.S. is commenced. Besides, the ward's house is in a dilapidated condition and ought to be rebuilt, but the Collector fears that it will be impossible to do so in the present condition of the estate."

The Lieutenant-Governor understands that the Board have already taken serious notice of the state of things described, and that no further orders of Government are required. It is necessary that the unremitting attention of all officers concerned should be devoted to the improvement of the property during the short period which remains before its proprietor will attain his majority.

It is reported that the putwaries of the Srinagar estate are being trained in survey work to enable them to correct the maps and maintain the records in future, and that similar attempts are being made in Dinagepore, but have not proved very successful, as only 15 men have received certificates of efficiency. These efforts should be persevered with, although the Lieutenant-Governor is not very sanguine of their success. It is important to enlist local co-operation as much as possible in all these proceedings.

9. In addition to these operations, which are being carried on under the supervision of the Director, the survey and settlement of the estates of Raj Krishna Banerjee and Fazal Ali Khan, in the Chittagong district, have also been effected. The result in these cases appears to be very successful from the financial point of view, and is creditable to the general Manager, Baboo Koilas Chunder Das, and Assistant Manager, Baboo Jogendro Kumar Bose, by whom the work has been done. The Lieutenant-Governor acknowledges also the valuable service rendered by Mr. Slack in his capacity of special Settlement Officer of wards' and encumbered estates in the Chota Nagpore Division.

Miscellaneous.

10. The account given by the Board of the condition of the tenantry in wards' estates and of the education of wards is generally satisfactory. The contribution in aid of schools and dispensaries during the year shows an increase: it amounts to

Rs. 98,209. Agricultural experiments have been conducted in several estates, as usual, and occasionally with success. The Board have, since the close of the year, issued orders to all Commissioners that, within the limits and under the conditions already laid down by Government, such encouragement as is practicable may be given to the progress of agricultural improvements in the properties under the charge of the Court of Wards. A sum of Rs. 1,000 has been sanctioned from the resources of the Cossim Bazar estate, as a contribution to the fund which is being locally realized, by merchants and zemindars who are interested in the silk industry, for experiments which, it is believed, will prove very valuable in improving the breed of silk-worms.

Burdwan Raj estate.

11. It is unnecessary to follow the Board's report throughout the detailed account furnished of the more important estates under management, or of those which were released during the year. The information given is complete, and will be useful for reference. But the Lieutenant-Governor considers it desirable to reproduce in this resolution the following remarks, which are recorded by the Collector of Burdwan, regarding the claims of the Dowager Maharani up to date:—

"In July 1887, when His Honour the Lieutenant-Governor paid a visit to Burdwan, the Dowager Maharani requested him to pass orders for the payment of her increased allowance and delivery of the minor landed properties to her and settlement of her claims to the jewellery In regard to the making over of the minor properties and payment of the increased allowance, His Honour laid down the following conditions;—

"(a) That the papers of Koojung and Soojamoota should be first fully delivered by her

"(b) That the hoarded coin and jewels should be counted and catalogued, and the jewels valued.

"In the November following I reported that the first condition, viz., the surrender of papers, had been fulfilled by her as far as lay in her power, though the Managers were divided in their opinion on this point.

"The hoarded coin was counted and catalogued in August 1887, but the general catalogue of the jewels is not yet finished. This work was begun in October by Mr McIntosh, Assistant Collector, and subsequently placed by me in the hands of Mr. Taylor, the Joint-Magistrate. On his appointment as District Judge of Burdwan, on the 21st January last, the inventory work was stopped for some time. In March it was resumed by Mr. McIntosh, Assistant Collector, then by Mr. Brown, Assistant Collector, and on his transfer by Mr McIntosh again He was relieved by Deputy Collector Baboo Shyamadhaba Roy, specially deputed for this purpose As the Dowager Maharani was not responsible for the delay in drawing up the catalogue, she was reported to have earned the fulfilment of His Honour the Lieutenant-Governor's promise, and the Board directed the immediate surrender to her of the minor landed properties, which were accordingly made over to her on the 26th March last. With regard to the payment of her increased allowance, the Board directed that this payment should be made as soon as the 160 items of jewellery included in schedule F were identified and catalogued, as this identification was a necessary preliminary to the settlement of her claim. The Dowager Maharani, however, refused to admit that the payment of the allowances could be delayed for the identification of the 160 items of jewellery. Meanwhile a dispute had arisen between her and the Managers, the latter claiming the right to catalogue the valuables in her apartments, while she refused to admit that these valuables belonged to the estate. She protested against any delay in the payment of the allowances on this account Finally, she agreed to abide by the arbitration of Mr Pugh as regards the 160 items of jewellery, and to accept the valuation of them by Messrs. Cooke and Kelvey of Calcutta She also consented to execute the deed of compromise as settled by Mr. Pugh. The Board therefore directed me, on the 16th May 1888, to pay her allowance in future at the increased rate, and to arrange for the payment of the arrears of her increased allowance from the 28th September 1886 at once. These orders have since been carried out. Moreover, at the request of the Dowager Maharani, the draft deed of compromise has been drawn up by the Government Solicitor instead of by the Government Pleader of Burdwan. The conclusion of the compromise now only awaits the arbitration of Mr. Pugh, and meanwhile all its conditions, about which no dispute remained—that is, all but the terms regarding the jewellery—have been carried out."

The arbitration is over, but the Board report that the award has not yet been given, and that the terms of the deed of compromise have not been finally settled. An allowance of Rs. 9,000 a month, with arrears, with retrospective effect from the 28th September 1886, is now paid to the Dowager Maharani by the estate.

12. In July 1887 the Lieutenant-Governor gave his sanction to the adoption by the late minor Maharani Benodeyi Debi of Lala Bijon Behari Kapur, son of Lala Ban Behari Kapur, as a son to her husband, the late

Maharajah Aftab Chand Bahadur. It was with great regret that His Honour heard of the death of the Maharani on the 13th of May last. The young Maharaj Kumar, to whom the name has been given of Bijoy Chand Mahtab Bahadoor, is reported to be well behaved and very intelligent. His guardians are Lala Ban Behary Kapur, his natural father, and Lala Lachmi Narain Khanna, father of the late Maharani Benodeyi Debi. Since the close of the year a suit has been instituted in the High Court by the Dowager Maharani to set aside the adoption and to obtain possession of the Raj estate.

Services of officers.

13. The Lieutenant-Governor is glad to notice the services of the Commissioners and Collectors, who are commended by the Board for their work in the Wards' Department. The Board's observations will, as usual, be communicated to the Appointment Department. The following Managers are named by the Board for their efficient service:—

Baboo Bogolanund Mookerjee, Cossim Bazar estate, Moorshedabad.
" Kali Naran Roy, Chanchal estate, Maldah.
" Koylas Chandra Das, General Manager, Wards' estates, Chittagong.
" Jogendra Kumar Bose, Assistant Manager, Wards' estates, Chittagong.
" Gyanendra Lal Rai, Nuddea estate, Nuddea.
" Troyloko Nath Lahiri, Burdhankotee estate, Rungpore.
" Rasick Lal Ghose, Haripore estate, Dinagepore.
" Moti Lal Mookerjee, Dalbhoom estate, Singbhoom.
" Adhur Kali Mookerjee, General Manager, encumbered estates, Hazaribagh.
" Poresh Nath Ghose, General Manager, encumbered estates, Manbhoom.
" Krishna Chandra Gupta, Pogoso estate, Mymensingh.
" Okhoy Narain Deb, Jamkunda estate, Balasore.

14. The high estimation in which the Court of Wards' management is deservedly held in these provinces cannot fail to be amply sustained by the results which are shown in this report; and although in one or two instances, owing to the inefficiency of local agents, there may have been a comparative failure in administration, the general result is highly satisfactory and honourable to the Court of Wards. This success is largely due to the special knowledge and ability which Mr. Reynolds has displayed in presiding over this important department.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Offg. Secretary to the Government of Bengal.

FLOODS IN THE BURDWAN DIVISION.

THE following correspondence is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secy. to the Govt. of Bengal.

Dated the 2nd October 1888.

Famine No. 3305—135 Fam., dated Calcutta, the 2nd October 1888.

From—P. NOLAN, Secretary to the Government of Bengal,
To—The Commissioner of the Burdwan Division.

I AM directed to acknowledge the receipt of your letter No. 33RG, dated the 22nd September, 1888, submitting a report from the Collector of Burdwan, dated the 16th September, 1888, on the recent inundation of the Adjai and Damudar rivers in his district.

2. The action taken by Mr. Oldham and his Sub-divisional Officers is approved by Government, and the further report promised is awaited. I am to request that no time may be lost in submitting the full reports which have been called for from the other districts of your division, and especially from Midnapore, where the injury from floods appears to have been greatest. The Lieutenant-Governor is confident that in any cases where it may have been found necessary to afford relief to the suffering population, action has been at once taken.

3. The question of the Damudar embankments has repeatedly been under the consideration of Government in the Public Works Department, and, with reference to the present inundation, is being again considered. But the restoration of these embankments has always been condemned by Engineers, who have, on previous occasions, enquired into the matter, and the reasons for the rejection of the proposal are fully stated in Colonel McNeile's letter No. 452*I*, dated 12th March, 1885, to which the Collector refers in his report. These reasons still hold good, and therefore sufficient cause has not been found for modifying to any extent the orders on the subject.

4. The injuries caused by floods divide themselves into three classes,—(1) the deposit of *sand*, causing deterioration and even destruction (for the time being at least) to the soil, (2) the destruction of crops and villages by the erosive action of the floods, and (3) their destruction by excessive flooding. The first two classes can no doubt be remedied at a comparatively moderate cost. The floods of the Damudar have been under observation since the orders of the 12th March, 1885, were issued, and there appears to be some grounds for believing that it may be advisable to make certain arrangements at the main breach, (the Jankooli), in order that the discharge through it may be to some extent restrained. It is very doubtful, however, whether a gradual raising of the area injured temporarily by sand deposit will not in the end be extremely beneficial, and the results of the floods of the present season will possibly give an answer to the question whether the floods should be in any way restrained. As regards the third class of injuries, the objections mentioned in Colonel McNeile's letter to the closing of these breaches, acting as escapes, are as strong as ever, whilst the soil in most instances is greatly benefited by the fertilising silt deposited by the floods. Such benefit is, however, in some cases counterbalanced by the retention of the water on the flooded area for too long a time, and this is due to the want of a proper outfall. It is just as impossible now as ever to entertain either of the proposals hitherto put forward for the remedy of this state of affairs, viz, the retention of the floods of the Damudar within its own embankments down to the Hooghly, or the diversion of the flood spill into any other lines than those through which it now gradually finds its way into the Hooghly; but, in connection with the floods in the Cossye and Selye rivers, it appears necessary to investigate the possibility of improving the outfall of the Roopnarain river, and the

improvement of the latter would possibly affect beneficially the outfall of the Damudar flood spill. It is understood that a proposal for carrying out the investigation just mentioned is under the consideration of the Public Works Department of this Government, though grave doubts are expressed as to the feasibility of increasing the capacity of the Roopnarain river at all.

No. 33RG, dated Burdwan, the 22nd September 1888.

From—E. V. WESTMACOTT, ESQ., Offg. Commissioner of the Burdwan Division,
To—The Secretary to the Government of Bengal, Revenue Department.

WITH reference to your No. 3119—125Fam. of the 13th instant, I have the honour to submit copy of a further report, No. 1246G of the 16th idem, from the Collector of Burdwan, on the effects of the late floods caused by the overflow of the rivers Adjai and Damudar. Mr. Oldham is watching the matter sufficiently. He is in personal communication with me.

No. 1246G, dated Burdwan, the 16th September 1888.

From—W. B. OLDHAM, ESQ., Collector of the Burdwan Division,
To—The Commissioner of Burdwan.

IN reply to your No. 177RG, dated 10th September 1888, calling for a report on the effects of the recent floods in the town of Cutwa and the Cutwa sub-division, and to your endorsement No. 61RG, dated 14th September 1888, on Government letter No. 3052—118Fam., dated 8th September 1888, enquiring about the results of the floods from the Damudar, I have the honour to furnish the following provisional report on the floods in the Burdwan district on the last week of 1888.

2. It has been ascertained that there has been no loss either of human life or of cattle from the floods. There has been considerable loss, amounting in many villages to total destruction, of the standing crops, and a very great number of huts have fallen down, though so far, I cannot learn that any of the good mud houses of the ordinary kind to be found in a rural village have been seriously injured. Though I hold a balance of about Rs. 2,000 in my local Famine Relief Fund available for the relief of emergent cases, and there is a similar private fund held by private trustees in the town of Burdwan, no applications for such relief have yet been made, and no cases requiring it have been reported. The only applications which have been the direct outcome of the floods have been for the restoration or construction of certain embankments.

3. From the information now available, which I believe to be complete, I estimate the area of serious damage to crops, that is, in which the standing crops have either totally, or to the extent of three-fourths of them, been destroyed, to be 120 square miles. This area may be generally described as the margin of the Adjai for a depth of 1½ miles on each side of its course through the Cutwa sub-division; of a similar margin on the right bank of the Bhagiruthi for a distance of 20 miles in the same sub-division including the peninsulas; and in the head-quarters sub-division of a similar margin on the right bank of the Damudar from opposite Burdwan to Gotan in the south east extremity of the district about 20 miles. The floods of course penetrated very much further, but in large areas their incursion has been solely beneficial, and the extent of loss between those areas and the margin described varies.

20 × 3 = 60
20 = 60
20 × 1½ = 60
20 × 1½ = 30
———
120

4. The effects of the floods in the different localities inundated will be very different. Floods from the Bhagiruthi, when so local as those now reported on are, have always been found to more than compensate for the immediate damage they cause. The same with some qualification may be said of the Adjai floods, though they sometimes leave long narrow stretches of sand. In this district the Damudar floods have been always most beneficial to the country in which they but sightly affect the standing crops by their depositing the silt, while they have been disastrous to the tract in which their rush has entirely destroyed the standing crops as they leave it coated with thick sand.

5. My information about the Cutwa sub-division has been drawn from the diaries just received of the experienced Sub-divisional Officer Baboo Jadu Nath Bose, who has been visiting the inundated tracts. The floods in the town of Cutwa reported to you under my endorsement No. 1111G, dated 31st August 1888, had no further effect beyond causing the extreme inconvenience and alarm and damage to some habitations described in that correspondence, and no further report regarding them is necessary. The most serious damage done in any one spot has been the destruction of the zemindari embankment at Fatehpore on the Adjai, which was constructed only in May last at a cost of about Rs. 8,000 raised by subscription. Though the Sub-divisional Officer found the Bhagiruthi peninsulas completely submerged, and the houses standing out of the water as if on piles, while the women and children had been sent to the mainland for safety, the male population were either busy fishing or amusing themselves in their enforced idleness. The main products of these tracts are their splendid cold-weather crops. In the Sub-divisional Officer's opinion the floods were far more extensive and severe in the Nuddea district than on the right bank of the Bhagiruthi. The Adjai flood was the highest within memory. The severest damage must have been caused

by its carrying away the Fatehpore embankment, and regarding this I will report again. The greater part of the country on its left bank, which I visited in February last, has been left uncultivated for years, partly because of its exposure to inundation and partly because the land has been spoiled by previous floods.

6. As regards the Damudar floods, the chief reference is the correspondence which closed with the orders of Government conveyed in Colonel McNeile's letter No. 452I, dated 12th March 1885, on the subject of the Jankooli embankment. It has been noticed in my successive Land Revenue and Annual Administration Reports that the agitation regarding this Jankooli case has never ceased to be maintained, chiefly by Baboo Chakan Lall Roy of Chakdighi and his brother taluqdars. They are at this moment pressing Government to re-open the case, which has been frequently noticed by the Press, both English and Native, throughout the year. The present floods of course have afforded capital for this agitation, and though, as far as I have ascertained, they have not been so immediately destructive as those from the Adjai, the notice of them by the Press, which has taken no notice of the floods in Cutwa, is accounted for by the agitation regarding the Jankooli case. As these results were to be predicted with certainty, I had been very carefully watching the Damudar floods from the first, and as soon as they subsided, sent the Excise Deputy Collector on an excise tour through the south Damudar tract with orders to ascertain quietly what the result of the inundation had been. He returned yesterday, and the information, which I have provisionally given was obtained from his verbal report. Meanwhile the senior Sub-Deputy Collector has been sent out to hold a public enquiry, and I have arranged to spend four or five days in the flooded tract myself this week.

7. Meanwhile I am in a position to meet any cases requiring relief either in Cutwa or on the Damudar. As regards the means for preventing those calamities in future, the case of the south Damudar country is in the hands of Government, and I have nothing to add to the information which has been given in the correspondence regarding the Jankooli embankment and breach. As regards the floods from the Adjai, I cannot report till I have received further information from Cutwa, and till I have visited the localities myself; but in this case, too, I believe that no preventive measures can be adopted except those which are suggested and approved by the professional advisers of Government. The present case of the Fatehpore embankment adds confirmation to the instance afforded by the embankment which Mr. Larminie constructed at Jankooli in 1882 at a cost of Rs. 11,000, which was absolutely effaced within a month of its construction (*vide* the correspondence ending with this office No. 2114G, dated 26th February 1885).

No. 452I., dated Calcutta, the 12th March 1885.

From—LIEUT-COL. J. M. MCNEILE, R.E., Joint-Secy. to the Govt. of Bengal, Public Works Dept.,

To—The Commissioner of the Burdwan Division.

I AM desired by the Lieutenant-Governor to acknowledge the receipt of your letter No. 110, dated 19th December last, on the subject of a breach in the Janculi embankment on the right bank of the Damooda, and the damage caused by the spill of flood-water at and near that place, and in reply to make the following remarks.

2. As noted in your letter, the restoration of the embankments on that bank of the river has been pronounced objectionable by the engineers who have thoroughly investigated the question, but it will be well here to explain briefly the reasons for this objection.

From calculations of the slope of bed and of the waterway of the river it is known that the total possible discharge between the embankments below the great bend of the river east of Burdwan is (approximately) 150,000 cubic feet per second, while the volume brought down by the river during a heavy flood is about 350,000 cubic feet, and there is consequently a total spill over the bank of about two lakhs of cubic feet per second escaping at various points below Sangatghola (a few miles above and on the opposite side to Jcojooty).

It is quite clear, then, closing the breaches at and below this point with anything like really effective embankments would only cause worse and possibly more disastrous breaches lower down. The water cannot be kept within bank or embankment limits down to the mouth of the river. It was to reduce the average depth of the flood passing over the country that the removal of 20 miles of embankments was ordered in 1856-59, and the same argument is equally valid now.

3. Turning next to your suggestion to provide outlet channels, you will see that this would involve the construction of a new river capable of carrying in extreme flood 200,000 cubic feet per second, or larger than the actually existing channel of the Damooda itself. To prevent the risk of an excess of water passing down this channel, and to send the required amount down it to relieve the Damooda, a very extensive regulator would be necessary at the bifurcation, and the new channel must be carried down to the Hooghly, as neither the Damooda itself lower down, nor the Roopnarain could carry off such an additional volume: the new channel or river would therefore have to be some 60 miles in length.

All this would involve an outlay in work and land which it is not worthwhile attempting to estimate, and it must be recollected that in the case of any partially remedial measures, there would certainly in some year or years be loss caused where there is none now, or where it cannot be laid to the charge of any specific work. As soon as ever there was an excuse for charging any Government channel, or embankment, or want of embankment, demands for

compensation would pour in, and it is impossible to guess even what Government might be compelled to pay on this account.

4. It is not denied that the existing floods cause some damage, nor is it argued that such a spill as is under consideration ever occurs without in some cases serious flooding and loss of crop, but the floods are not wholly detrimental. The flow of water is, in some years and in some places such as to drown or even wash away portions of the crops; but if this occurs early in the year, a second crop is successfully grown, and in any case a large quantity of fertilizing silt is spread over miles of country beyond the special tracts in which devastating floods are now complained of, and a gradual and very important and beneficial raising of the level of the country is in progress.

5. On a full consideration of all the facts of the case, the Lieutenant-Governor is of opinion that it is more than doubtful whether any practicable measures in the direction of partial remedy of the flooding complained of would not result in more harm than good; that nothing at all could be done except at great expense, for which there would be no return, while the entire outlay would have to be borne by Government; and that it is certain that any works executed would undoubtedly give rise to complaints elsewhere, quite as loud as those now made. and possibly more valid. His Honor is therefore unable to reconsider the orders passed on the subject of non-reconstruction of the Janculi and other embankments on the right bank of the Damooda, or to entertain proposals for any drainage works to carry off the flood spill into other lines than those through which it now gradually finds its way down to the Hooghly.

FLOODS IN THE MIDNAPORE DISTRICT.

THE following is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secy. to the Govt. of Bengal.

Dated 1*st October* 1888.

No. 28R.G., dated Burdwan, the 11th September 1888.

From—E. V. WESTMACOTT, ESQ., Offg. Commissioner of the Burdwan Division,
To—The Secretary to the Government of Bengal, Revenue Department.

I HAVE the honour to forward, for the information of His Honour the Lieutenant-Governor, copy of a report by the Collector of Midnapore on the effect of the recent floods in his district. I gather that they might have been prevented by a more efficient system of embankment; and it is for His Honour to consider whether estimates should be prepared of the cost of what is required. Respecting present distress, I think that Mr. Vowell is fully sensible of the gravity of the situation, and may be trusted to report promptly if relief is required. Beyond the injury done to their dwellings, I doubt whether much distress will be felt by the cultivators until the period when they might have expected a return from their winter crop. I believe there was not much in store which they could lose, and the labour market of Calcutta and its Suburbs is so easily accessible that the means of subsistence can be earned without difficulty. It is gratifying to learn that the Deputy Magistrate in charge of the sub-division of Ghatal, Baboo Kumad Nath Mukerji, has been doing his duty in the emergency.

No. 1818G., dated Midnapore Collectorate, the 8th September 1888.

From—C. H. VOWELL, ESQ., Collector of Midnapore,
To—The Commissioner of the Burdwan Division.

I HAVE the honour to state that I have visited Ghattal with the Executive Engineer for the purpose of seeing the effect of the recent floods.

2. The heavy rains of the 23rd and 24th ultimo brought down all the rivers from the west and north-west in heavy flood; and the various circuit embankments under the Executive Engineer of Midnapore were breached in 137 places, being in many instances overtopped.

3. The tract of country most severely affected, rather more than 100 square miles, is comprised in thanas Daspore and Ghattal; the former thana is bounded on the north by the Selye and on the east by the Rupnarain rivers. Ghattal is bounded on the south by the Selye and on the east by the Darkeshwar.

4. With the exception of a few patches in the north-west of Daspore, the whole crop has, in that thana and in about 40 square miles of thana Ghattal, been swept away, and the fields are still under water. Great damage has been done to the mud huts of the villagers, which have fallen down in all directions. There has fortunately been very little loss of life, only four persons having been reported drowned, and the loss of cattle is also stated to have been small.

5. The Sub-divisional Officer, Baboo Kumad Nath Mukerji, showed great promptness in at once starting off himself and sending his canoongo and police in other directions, in order to relieve the worst cases of distress. The cost has been met from a fund raised on a previous occasion to meet such disasters. The people of Daspore thana have been very unfortuate of late years with their winter crop.

6. In 1885 it was swept away by flood, and again in 1887, while in 1886 the crop was a poor one. When these floods occur, the custom is to sow boro paddy over the tract, and it is irrigated by bunds thrown across the Selye and Cossye rivers by the zemindars.

7. The Sub-divisional Officer has considerable engineering knowledge, and I have requested him to see that these bunds are put up wherever necessary, and properly constructed. He has also been directed to report on the necessity of making loans to the cultivators under Act No. XII of 1884.

8. This crop, however, is not reaped until February or March, and the Sub-divisional Officer apprehends some distress among the labouring classes. For the present, paddy was coming plentifully into the market, and the price of rice had actually fallen at Ghattal.

9. There is cheap and easy communication for the people of this sub-division with Calcutta, and the custom of going away to find labour for a part of year is already common among large numbers.

10. It is therefore possible they may tide over the internal without assistance. I have, however, directed the Sub-divisional Officer to carefully watch the condition of the villages, and I shall myself be out on tour there within a month or two.

11. Considerable loss has also been caused in the other sub-divisions. From Contai I have not yet received detailed accounts; but the tract in Pataspore and Bhugwanpore thanas, which is suffering from want of drainage, is certain to be in a worse condition than last year.

12. In Tumlook the country to the east of the Cossye was swamped by a breach a short way below Panchkura. It was similarly flooded last year, but boro can be grown there.

13. In the head-quarter's sub-division damage has been done about Sabong, Pingla and Moyna on the south of the canal, but its extent cannot be at present gauged.

14. On the other hand, there is no doubt the abundant rain has done much good in parts where the crop had been previously very backward. This was especially the case in the strip of Contai along the sea coast.

DISTRESS IN KHOORDA.

THE following correspondence on the subject of the present distress in Khoordah is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Govt. of Bengal.

Dated 2nd October 1888.

No. 125T—R, dated Darjeeling, the 29th September 1888.

From—H. J. S. COTTON, ESQ., Offg. Secy. to the Govt. of Bengal, Revenue Dept.,
To—The Secretary to the Government of India, Revenue and Agricultural Dept.

IN continuation of my letter No. 3066—419Fam., dated 10th September 1888, I am directed to submit, for the information of the Government of India, the accompanying copy of a letter from the Commissioner of Orissa, No. 1843R, dated 20th September 1888, and its enclosures, forwarding a report for the fortnight ending on the 31st August on the present scarcity in the districts of his Division.

2. It is satisfactory to find that with a seasonable rainfall the condition o the people has considerably improved. But the Lieutenant-Governor notices as an evidence of the real scarcity of food that while the works at Angul, when the labourers were paid in cash, failed to attract more than some 300 labourers a day, the number rose at once to about 1,500 as soon as the tehsildar began to pay them in grain at the daily rate of three quarters of a seer per man. It may be hoped, however, that with cheaper prices, improved prospects and the measures of relief which have been set on foot, all grounds for serious anxiety will soon pass away.

3. The Lieutenant Governor has nothing further to add to the observations of the Commissioner, which appear sound and judicious.

No. 1843R, dated Cuttack, the 20th September 1888.

From—C. F. WORSLEY, ESQ., Commissioner of the Orissa Division,

To—The Secretary to the Government of Bengal, Revenue Department.

Letter from Collector of Pooree to Commissioner of Orissa, No. F, dated 11th September 1888.

Letter from Sub-divisional Officer of Khoorda to Collector of Pooree, No. 531, dated 8th September 1888.

IN accordance with paragraph 9 of the Bengal Famine Code, I have the honour to submit copies of reports, noted in margin, from the Collector of Pooree and the Sub-divisional Officer of Khoorda, regarding the administration of relief in Khoorda sub-division during the fortnight ending 31st August 1888.

2. No material change has occurred in respect of area and population affected, number of relief circles, and officers in charge; but the crops have been greatly benefited by good rain and favourable weather, and the condition of the people generally has improved.

3. A detailed list of the public works which are being carried out is given in the Sub-divisional Officer's report (paragraph 3). The total number is 115, of which—

4 are road works under the District Board,
1 is the Cuttack-Ganjam road work under the Public Works Department,
110 are Government khas mehal improvement works.

The Collector has been unable to supply figures showing the expenditure incurred and the numbers employed on works under the District Board and Public Works Department. The average daily number of persons employed on Estates Improvement works was 944, viz. 687 men, 54 women and 203 children, at a cost of Rs. 2,839. The numbers seem to have varied a good deal from day to day, probably according to the greater or less demand in each locality for labour in the fields.

4. The daily average number of persons receiving gratuitous relief is shown to have been 1,524, viz. 315 men, 366 women and 824 children. This number appears disproportionately large as compared with the number employed on village works. As to the excess over the preceding fortnight's figures, it is reasonable to believe that, as the working of the relief circles became more thorough and minute, many new cases of destitution would have been brought to light. But though this explanation is quite satisfactory up to a certain point, I earnestly hope and expect that, with improved prospects of crops, cheaper food-grains, and the substantial, assistance afforded by relief measures, the expenditure on gratuitous relief will be found to have decreased considerably during the present month.

5. Tuccavi advances, amounting to Rs. 59,853-8, were made to 20,724 cultivators during the month of August, the amount advanced during the fortnight under review having been Rs 18,944-8.

6. The stock of food-grains in the sub-division is reported to be sufficient, and mahajans in some places have begun to resume their business of lending grain. Prices of food-grains have become fairly easy, the price of common rice ranging from 15¾ to 21 seers, and *moong* and *kulthi* selling at much the same rates.

7. In the 7th paragraph of his report, the Sub-divisional Officer refers to the opening, as a relief measure, of paddy godowns at Pichkuli and Baligurh in the Western Circle No. III, and also of another such godown at Jenkia in the Rameswar Circle No. IV. As the purchases of grain seem to have been

made locally, and no competition with grain-dealers is allowed, the measures, in my opinion, are free from objection.

8. The instructions issued by the Collector to the Sub-divisional Officer for restricting the grant of advances, and to all circle officers for confining gratuitous relief strictly to those who cannot work for their living (*vide* paragraph 11 of the Collector's report), were confirmed by me without delay. It is most desirable that, having enabled the cultivators by the grant of necessary advances to tide over a period of sharp pressure, we should gradually withdraw and make way for the revival of customary transactions between them and the mahajans, wherever the latter are willing or may appear prepared to take our place. Our policy now should be, as I have impressed on the Collector, not to maintain fully and continuously the system which we have hitherto been compelled to apply, but to contract or suspend operations from time to time by the light of daily experience and observation, and again, if necessary, to renew them.

9. The Sub-divisional Officer has observed, in paragraph 9 of his report, that "anyhow a further sum of Rs. 10,000 should be sanctioned for gratuitous relief." The Collector has left the remark unnoticed, and I am disposed to think that it is unnecessary at present to ask for any additional specific sum. Before accepting any estimate in this matter, it will be best to await the results of the instructions lately given by the Collector. Any reasonable amount that may in the meantime be urgently needed I will myself sanction in anticipation of the approval of Government. But at present I really fail to see how, if the prospects of crops have greatly improved, if grain be fairly cheap and employment everywhere available, and if the Circle Inspectors have nearly gauged the full extent of helpless destitution, we can be justified in apprehending a continuance or increase of such distress. The interests of distressed persons themselves, and of the public alike, require that the administration of gratuitous relief in villages, which is specially open to abuse and injurious in its tendencies, should be firmly restricted or discontinued at the very earliest opportunity.

10. I again regret to note that a few deaths (8) have been reported as being more or less due to starvation. Of these, not more than one (if even one) can be proved to have resulted from starvation alone. Sad as such occurrences are, I fear that they are not peculiar to Khoorda, but are common in most years to all thickly-populated countries and districts. At the present time each such occurrence is reported with an avidity that is unknown in ordinary years, when it would probably be ascribed to the disease most prevalent for the time being. I am convinced that all reasonable precautions have been taken for the saving of life, and that the circle officers can in no way be held responsible for such isolated cases of death as have been specially brought to notice.

11. In paragraphs 6—9 of his report, the Collector has furnished a few details regarding the administration of relief in the South Chilka tracts. The necessary assistance has been rendered quietly, efficiently and economically.

12. I now proceed to make a few remarks regarding the condition of Banki, Angul, and the Tributary State of Baramba.

13. The special enquiries that were being made in Banki at the time of submission of the last fortnightly report (28th August) have shown that, with the exception of a very few villages in the extreme south-western corner of the estate, viz. Kalaputhur and other adjacent villages, there is no such pressure as is likely to require measures of relief properly so-called. But within the last two days Mr. Desgratoulet, the District Engineer, who has been on tour in that neighbourhood, has reported instances of individual distress, which lead the Collector and myself to think that some special assistance may be necessary. As a precautionary measure, therefore, we have resolved to open some additional small improvement works in the affected tract, and to place them under the charge of the District Engineer, who will also be supplied with a moderate sum of money for the relief of any destitute families which may come under his notice. The affected area adjoins the most distressed circle (No. III) of Khoorda sub-division. In another portion of the estate, where some pressure is felt, tuccavi advances and district works will in all probability afford the requisite assistance.

14. In Angul district there has been a steady improvement during the present month, and I expect that all cause for anxiety will shortly

disappear. For a time there was a great scarcity of grain, and the Estates Improvement works failed to attract more than some 300 labourers a day. But when the tehsildar lately imported 500 maunds of rice from Talcher State, and began to pay the labourers in grain at the daily rate of three-fourth seer per man, the number at once rose to about 1,500. Employment is now available in the fields, and fairly good crops of maize and *marua* are being harvested. These will shortly be followed by the *beali* rice harvest, which is expected to be good. The late or *sarad* rice crop also promises well. I am happy to state that the ryots of the affected tract (the western half of Angul) have to a man declined to take tuccavi advances when limited to one-fourth of the small rents which they pay, a proportion which I considered sufficiently high under all circumstances, and that the sanctioned sum of Rs. 300 remains intact. The measures already adopted, viz. the remission by Government of Rs. 4,917 arrears of rent, the relaxation of Forest Rules, the opening of Estates Improvement works, and the judicious distribution of small sums in the shape of charitable relief, have enabled the distressed classes to weather the difficulties caused by the almost unparalleled failure of the rains in June and July, and by the partial loss of crops in 1887. I consider that the tehsildar, Baboo Narain Chundra Naik, has shown firmness and resourceful capacity in dealing with the recent state of things in Angul.

15. Copies of the reports submitted by Baboo Nanda Kishore Das, Assistant Superintendent of the Tributary Mehals, after his visits to the States of Baramba and Narsingpore (now under direct management) were forwarded to the Chief Secretary with my letters Nos. 1072P.W. and 1080P.W., dated 3rd and 6th September 1888 respectively. I need only here mention that, on the facts reported, I increased the amount sanctioned for tuccavi advances in Baramba State from Rs. 2,000 to Rs 4,000, and approved of advances being made up to an aggregate sum of Rs. 1,000 to petty dealers for the importation of grain, and that I considered it unnecessary to make any grant for tuccavi advances in Narsingpore. I may add that in consequence of the improved position in Angul, and of his services being required for work of another kind, Baboo Nanda Kishore Das was not deputed to visit that district.

16. Several of the Chiefs in the south-western half of the Tributary Mehals have been obliged this season to give exceptional aid to their tenants, but owing to the comparatively scanty population of these States, the distress in no case could have been so severe as in Khoorda.

17. I must apologise for my delay in submitting these reports, which has been due to my being engaged in holding sessions in Dhenkanal State.

No. F, dated Camp Khoorda, the 11th September 1888.

From—D. B. Allen, Esq., Collector of Pooree,
To—The Commissioner of the Orissa Division.

I have the honour to submit the following report in accordance with section 9, Chapter I of the Famine Code for the fortnight ending 31st ultimo, together with a copy of the Sub-divisional Officer's report, No 531 of the 8th instant.

2. According to Mr. Taylor, "the area of distress during the fortnight under report, the portion of the population affected, and the number of relief circles, remain much the same as was given in his last report;" *but* "the general state of the affected tracts has improved during the fortnight owing to the good rainfall, opening of so many works, and the improved state of the crops."

3. The condition of each circle in detail is given in the extracts from the reports of Circle Inspectors, quoted in paragraph 2 of Mr. Taylor's report.

4. The views expressed by the Sub-divisional Officer are confirmed by the daily reports submitted to me by the police officers in charge of every thanna, and outpost throughout the district, and also by my own observations. I was touring about the sub-division from the 16th to the 25th ultimo, and was up in the western circle when the heavy rainfall (which was general all over the sub-division) commenced on the 20th. Speaking generally, there is no lack of water now for the paddy-fields, which have been puddled and weeded, and, where necessary, transplanted. The latter operation is still going on, and that and weeding has afforded great relief to the landless day labourers, who have all along been the chief sufferers from the prevailing distress.

It must be remembered, however, that the paddy crop is not yet out of danger. The late rains have rendered it safe for the present, but it is backward in a greater part of every circle, and a cessation of rain later in the season may still cause a considerable failure, and consequently a renewal of severe distress. As the Inspector of Rameswar Circle remarks, "there is for the present a lull in the distress, yet the relief operations must continue for some time," if we are to prevent actual deaths from starvation.

5. From the South Chilka tracts the Inspector reports that heavy rain b[illegible] to fall from the 20th, and the people have taken advantage of this rainfall to go in for transplantation. The crops here will no doubt suffer severely, as they have, more or less, for the last three years; but, as pointed out last April, the people residing in this neighbourhood are not dependent on their fields for a living. They have salt work, fishing, and other sources of subsistence, and though more clamorous for relief than anywhere else in the district, they are not really reduced to a state approaching starvation. A report from the District Superintendent, who has been inspecting the outposts in that neighbourhood, corroborates the views expressed above.

6. The number of public works open in or near the affected tracts within the subdivision are detailed by Mr. Taylor in paragraph 3 of his report. In addition to these works, two small tanks have been excavated at Nathpur and Satpara to relieve the distress south of the Chilka under the supervision of the Salt Inspector.

7. The daily average numbers in receipt of gratuitous relief in the sub-division are given in paragraph 4 of Mr. Taylor's report. In Satpara the expenditure during the fortnight has been only Rs. 13 7.

8. Mr. Taylor gives the daily averages of men, women, and children employed on works in paragraph 5 of his report, but these figures apply only to those employed on works described in 3 (*d*). (*a*) To these should be added 960 or 64 persons a day employed in the South Chilka tracts. For (*a* and *b*) works no accurate figures have been supplied me either by the Executive or the District Engineer.

9. As regards clauses (6), (7), and (8) of Chapter I, I have little to add to Mr. Taylor's report, except to point out that though advances have been freely given, yet the amount so given is probably not 25 per cent. of the amount applied for. In the Sudder sub-division a number of applications for advances was made during the fortnight, but they were refused by me in every case, as I was satisfied that they were not legitimate demands for assistance, but merely attempts to obtain funds for paying rent, or for other objects than those represented in these applications. In Satpara the expenditure during the fortnight on works and gratuitous relief has been Rs. 214-7-3. The balance in hand was Rs. 35-13-1, and Rs. 100 has been sent afterwards.

10. It will also appear, from Mr. Taylor's report, that the instructions conveyed in the remaining chapters of the Famine Code have been carried out so far as has been practicable, considering the peculiar conditions of this distress, which has been felt in all its intensity by only the poorest classes over a large area, though no doubt the numbers affected would have been much larger but for the timely assistance given, chiefly in the form of advances under the Agriculturists Loans Act.

11. I need only add that, in accordance with paragraph 6 of your No. 1687R of the 28th ultimo to the Government of Bengal, I issued instructions to the Sub-divisional Officer on the 30th ultimo (as reported to you in my No. 881 of that date) to restrict the grant of advances in future to residents of villages, where there had been failure last year of at least half the crop, and to issue instructions to all circle officers that gratuitous relief should in future be confined strictly to those who cannot work for their living. This has now been done.

12. Though the numbers who have been relieved gratuitously during the past fortnight exceed those that were so treated in the preceding one, I am not prepared to admit that such relief has been granted hitherto too freely. From a perusal of the diaries and nominal rolls, it appears that Circle Inspectors have, as a rule, been exercising great care in this matter. The only case where I am inclined to think that the Circle Inspector has been perhaps too generous, especially to Brahmins and other respectable Hindus, is in the Banpur Circle. I propose going there very shortly, and will test the work done in this circle, and if I find my suspicions are confirmed, will take measures to prevent a continuance of this ill-judged liberality. Meanwhile, very stringent orders have been sent by Mr. Taylor forbidding the grant of gratuitous relief, except where it is actually indispensable.

No. 531, dated Khoorda, the 8th September 1888.

From—W. C. Taylor, Esq., Sub-divisional Officer of Khoorda,
To—The Collector of Pooree.

Chapter I, section 9, Famine Code.—In accordance with section 9, Chapter I of the Famine Code, I have the honour to submit a report for the fortnight ending on the 31st August 1888.

1. The area of distress during the fortnight under report, the portion of the population affected, and the number of relief circles, remain much the same as was given in my last report. The only difference as regards circles is that I have placed Baboo Darpanarain Das in charge of zillah Balbhadrapur in addition to Banpur, as Baboo Gagan Chundra Das had more than he could do in zillah Rameswar and Kuhuri.

2. *Section 9, clause 2.*—The general state of the affected tracts has improved during the fortnight, owing to the good rainfall, opening of so many works, and the improved state of the crops.

For the north-east circle Baboo Nadia Chand Dutt reports that "the state of the rice crop throughout is encouraging. The *mandia* crop at places, and chiefly on the side of Bhargavi and Dayah rivers, is excellent, and will be gathered within a fortnight. The *beali* crop on the banks of Bhargavi and Dayah rivers is very good, but unfortunately this crop is limited in zillahs Khoorda and Tapung. The *panchi* rice crop in zillah Dandimal will be gathered within the 15th of the current month.

"The rainfall is good at present. A statement for the fortnight obtained from the Forester of Dandimal is given below:—

16th August 1888	...	...	...	...	0·40
17th " "	...	...	...	...	0·80
19th " "	...	...	...	...	0·60
21st " "	...	...	...	...	1·80
22nd " "	...	...	...	...	5·10
23rd " "	...	...	...	...	0·10
25th " "	...	...	...	...	0·40
26th " "	...	...	...	...	0·30
					9·00

"During the fortnight under report the condition of the people is improving, and that no death from starvation will occur if the relief operations continue up to the end of the current month."

For the North-West Circle, Moonshi Dadar Buksh reports that "the state and prospects of crops at present are not very promising everywhere.

"The rainfall in the first fortnight was 6·85 inches, and second fortnight 8·76.

"The condition of the distressed people in general is gradually improving. The cause of this may be attributed to the adult members being able to get field and other works, and their condition will be more so if some more works be started here and there.

"On the 20th ultimo, while I was returning from Paniara, I heard from a passenger at Makund Prosad that one old woman was lying on the road at Padanpur and was about to expire. On this I immediately sent my peon with some *chura* and sugar. The peon went to the spot and fed her and informed me of the matter. As there was heavy shower that evening, I sent a cart and brought her here. Fire was made, and she was warmed and fed with milk for several days together. She is now improving, and there is no fear for loss of her life. Had not the matter been brought to my notice immediately, she would have most probably breathed her last on the road. She is under my care. This day a cloth worth annas 7½ has been given to her.

"This old woman is now quite well and declines to go home."

It is reported by Canoongo Netranund Putnaik that one named Dina Barik of Kuapat in Haldia died of starvation. The zemindar of Haldia is to blame for this death, as he did not himself take proper care of the poor man, nor did he inform me of his distressed condition."

Baboo Bhagbut Nand, for the western circle, reports that "the copious and continued rainfall from 20th to 23rd ultimo, and the occasional showers since fallen, have enabled the ryots to puddle all the lands; but as the rain came too late, and as the plants were previously attacked with *mboli*, the outturn of the paddy crop will be very poor.

"Heretofore *suan* was rendering great assistance to the people, but after puddling it has totally disappeared. The people are now managing with the wages they get for weeding, doing work on roads, bunds, &c., executed from the Estates Improvement Fund and the gratuitous relief distributed among them. After 8 or 10 days the grain from weeding will be discontinued. *Mandia* has been grown on a limited scale in this circle for want of sufficient surplus waste lands, and no material assistance can be expected from this source.

"As reported before, 4 annas of the total population have no property whatever and live by day labour. Three annas of these will have to be kept up by supply of labour, and the remaining one anna, physically unfit to do work, by gratuitous relief at least up to end of November.

"The only case of death from starvation that came to my notice is that of Madhub Guru of Hatbnet. The sarbarakar reported his death to have resulted from starvation. I visited the place on the 24th ultimo, and after enquiry came to know that Madhub had been to Calcutta and returned home, being attacked with dysentery. He suffered from the disease for two months, and was improving when this scarcity of food-grains appeared. He was compelled to take *suan* which aggravated his illness, and he died on the 12th ultimo."

For Rameswar Circle Baboo Gagan Chundra Das reports that "the prospect of the crop is yet uncertain. The weeding is in progress in most fields. Generally speaking, it may be said that the prospect of crop—I mean paddy—is good from Nalsing and Barpakharia to the north and Kuhuri to the south, and in other parts not very encouraging. The large tracts of land from Sarpani to Siko, and from Siko to Gur Mantir, and to the south and west of it, hold out a very bad prospect, and I believe there will be more or less complete failure of the crop; but I must say it is yet in a state when it is difficult to speak with certainty the one way or the other.

"There was good rainfall on 17th, 24th, and 25th August 1888, and sprinkling of it on several other days.

"The lower rates at which the construction of improvement works has been given to piece-workers do not attract the people, and I am glad to note this has not interfered much with the field work. At present the people are engaged in weeding the paddy-fields, but in a few days the weeding will be over, and they will be thrown out of employment, and will be helped by the work in these roads and dams we are constructing for tiding over the present difficulty. There is some work on the Public Works Department road, and the contractors complain of the difficulty of getting coolies now.

"Five deaths from starvation were reported during the fortnight, but I have not been able to ascertain the truth of the report, and it must be received with caution. At the same time I think the deaths may be due wholly or partially to deficient nourishment. In fact, I think many deaths will ensue when the crops will first become cheap and available, as the starving people will eat more than they can digest.

"For the present, I should say there is a lull in the distress, yet the relief operations must continue for some time. The nature and extent of the distress should not be considered very light in consideration of the paucity of deaths, as the time of death is not yet over, and there may be many more deaths in a few days if the relief operations are closed soon."

For Banpur Circle, Baboo Durpounarain Das reports that "the state of crop in this circle appears on the whole prosperous and fair; but the paddy plants sown in May and June on some lowlands in Simas, Chatragur, Kanthimal, Panchupalli, Sunakhalla and Niuruna having been covered over by *suan* grass have to a great extent been rotten after they were puddled. The ryots have, however, now re-cultivated a portion of such lands and transplanted them with fresh plants, and there remain still more lands for transplantation.

"There had been sufficient rain during the month under notice, and no rain is wanted for a fortnight."

3. *Section* 9, *clause* 3.—The public works opened during the fortnight are—

(*a*).—1. Road work under the District Board on the Baghmari and Bolegurh road, Western Circle.

2. Road work on the Khorda and Patnaikia road.

3. Road work on the Bhaliahari and Bingy Tangy village road.

4. Road work on the Kurharmal and Bajpur village road.

(*b*.)—Repairs and metalling along the whole length of the Ganjam trunk road, and repairs to the Daya river embankments, all under the Executive Engineer, Pooree Public Works Division.

(*c*.)—Nil.

(*d*.)—The Government khas mehal improvement works carried out from funds allotted by the Board of Revenue from the management grant, and specially distributed with a view to relief.

Statement showing the number of works opened or continued from 20th July to 31st August 1888.

Number.	Name of work.	Amount estimated. Rs.	A.	P.	Amount advanced from the beginning of relief operation up to 15th August. Rs.	Amount advanced from 16th to 31st August 1888. Rs.	Total. Rs.	Remarks. Number of persons employed to 31st August 1888. Men.	Women.	Children.
	North-East Circle.									
	Zillah Khordah.									
1	Excavation of Khudpur tank ..	594	0	0	150	80	230	1,190		277
2	Ditto of Sahaspur tank	193	0	0	100		100	No data.		
3	Repairs to Kaulsatarn tank in Kholaduar	350	0	0	100	100	200	Ditto		
4	Ditto to Harichandan tank in Jajharsingh	50	0	0	50	..	50	64		
5	Construction of road from Bhaliabari hât to Bajpur and on to Mahatpala Tangy.	577	0	0	100	100	200	565	20	2?8
								Village road done in advance for Local Board.		
6	Construction of road from Kurharmal to Bajpur	200	0	0	..	100	100	Ditto ditto		
								70		30
7	Repairs of a Bandh in Taratai	20	0	0	.	20	20	No data.		
		1,784	0	0	500	400	900			
	Zillah Dandimal.									
8	Excavation of Baurigaria tank in Jamkoh	211	0	0	50	150	200	1,110	295	41?
9	Construction of road from Gangpara to Khandgiri *vid* Janla.	756	0	0	350	195	545	1,767	54	281
10	Excavation of Deuliapatna tank	400	0	0	100	.	100	157	8	48
11	Repair of village road in Kukuraghai . ..	60	0	0	60		60	429		62
12	Excavation of Jamkolipatna tank ..	200	0	0	50		50	No data received.		
13	Ditto of Sripur Hari do.	108	0	0	100		100	Ditto.		
14	Repair of Kiansalaini Asraypur	189	0	0	60		60	196	160	312
15	Excavation of Budhasvar tank in Chatabar . .	3 9	0	0	150		150	841		570
16	Repairs to Burgur Bandh	300	0	0	100		100	545		
17	Ditto to Ghagura Bandh in Ghatikia ...	58	8	0	50	.	50	97	3	29
18	Excavation of Ambua tank in Asraypur	27-	0	0	50	50	100	342	298	412
19	Repairs to Darutheng Kamali Bandh ..	18	0	0	5	--	5	No data.		
20	Ditto to Kau faba Bandh in Madanapur	133	0	0	50		50	160	3	72
21	Ditto to Bandh in Bhagwanpur . .	33	0	0		33	33	17	34	322
22	Ditto to Chaudmania Bandh in Darutheng	78	0	0	30		30	No data.		
23	Ditto to Sukjori Bandh in Samsundarpur . .	67	0	0	25		2	Ditto.		
24	Ditto to Pathani Bandh in Chandka	27	0	0	20		20	Ditto.		
25	Ditto to Hinjal Bandh in Sunderpur	17	8	0	10		10	100		..
26	Ditto to Sapuasahal Channel in Jujhagarh	10	0	0	10		10	No data.		
27	Ditto to Gorbangah Bandh in Ghangapatna ...	58	0	0	25		25	Ditto		
28	Ditto to village road in Andharna ..	18	4	0	10		10	Ditto.		
29	Ditto to Jharmunda and Hari Sahara Bandh in Andharna	45	0	0	20		20	72	40	51
30	Construction of road from Dasabatia to Khandgiri .	725	0	0	75	100	175	1,?91		183
31	Repairs to a tank and Bandh in Dasapur	121	0	0	40		40	134	14	85

Number.	Name of work.	Amount estimated.			Amount advanced from the beginning of relief-operation up to 15th August.	Amount advanced from 16th to 31st August 1888.	Total.	Remarks. Number of persons employed to 31st August 1888.		
		Rs.	A.	P.	Rs.	Rs.	Rs.	Men.	Women.	Children.
32	Repairs to Palashdaha Bandh in Nayapali	165	0	0	50	......	50	882	......	245
3	Ditto to Dasaman Chandh in Pathargaria	33	0	0	25	.. ...	25		No data.	
34	Ditto to Guraguridhar in Ransingpur	20	0	0	20	......	20	141	20	38
35	Ditto to Saradha Bandh in Darutheng	45	0	0	15	.. ...	15		No data.	
36	Ditto to Firifira Bandh in Daruthenk	15	8	0	10	......	10		No data.	
37	Ditto to Gaidanda Bandh in Pathargaria	60	8	0	25	......	25		Ditto.	
38	Ditto to Brajabashigaria in Mundala	179	0	0	50	50	100	583	1	56
39	Ditto to Joypur village road	49	10	0	......	25	25	191	54	36
40	Filling up a branch in a Bandh in Tikarpara ...	40	0	0	......	40	40		No data.	
41	Repairs to Baguli Bandh in Nakhaur	35	0	0	......	35	35		Ditto.	
42	Ditto to Panchgau tank embankment	70	0	0	.....	40	40		Ditto.	
	Total ...	4,914	14	0	1,635	718	2,353			
	Total for Circle ...	6,7 8	14	0	2,135	1,118	3,253			
	North-West Circle.									
	Zillah Khordah.									
1	Construction of road from Arang to Mahul	400	0	0	200	50	250	1215	......	380
2	Excavation of Harigaria tank at Panbaraj	200	0	0	75	... ..	75	194	. . ..	407
3	Ditto of Narendra tank at Jagulaipatna	60	0	0	50	......	50	231	......	98
4	Ditto of Mangiaj tank at Panbaraj	40	0	0	20	.. ..	20	56	......	34
5	Construction of a road from Tangiapara to Kundilo ..	200	0	0	80	50	130	691	......	305
6	Ditto of Panbaraj to Bingy Tangy	375	0	0	50	40	90	309	9	286
								This is done in advance on account of Local Board.		
7	Repairs to road from Gurujang to Muktapur	330	0	0	.....	100	100	1152	......	240
8	,, to Dhudhua Bandh in Makundprasad ...	124	0	0	63	15	78	458	... ..	333
9	,, to Pitakna Bandh in Pitapalli	150	0	0	.. ..	100	100	300	..	71
10	,, to Paiktigiria Bandh	134	0	0	......	50	50		No data.	
11	,, to Gaurput Bandh	40	0	0	... .	25	25	46	.. ...	33
12	,, to Deul Bandh in Tartua	100	0	0	......	50	50	941	......	637
13	Construction of road from Lokenathpur to Saro ...	17	0	0	......	8	8	19	8	20
14	Excavation of Doctor Chua in Gurujang	188	4	9	.. ...	20	20	Part done before 88 4-9.		
	Total ...	2,358	4	9	538	508	1,046			
	Zillah Dandimal.									
15	Construction of road from Mangalpur to Tarkai ...	500	0	0	300	60	360	2,006	......	812
16	Repairs to Baharsingh Bandh at Mangalpur ...	100	0	0	50	......	50	125	......	67
17	Excavation of Paik Chua tank in Jamjhari ...	70	0	0	50	.. ..	50	444	.. .	158
18	Repairs to Kathkhuntia Bandh in Pamora ...	60	0	0	25	.. ..	25		No data.	
19	Kangali Sahi Bangali Sahi Bandh in Krushna Nagar ...	30	0	0	30	......	30	107	48	200
20	Repairs to Bhuasuni Jhar in Chandka	40	0	0	40	......	40		No data.	
21	Ditto Bauriachua Bondh in Kantabar	100	0	0	25	......	25		Ditto.	
22	Ditto Dalua Begunia Bandh	50	0	0	25	.. ..	25		Ditto.	
23	Excavation of Bajarsahi well at Chandka	8	0	0	8	......	8		Ditto.	
24	Ditto Nial Bandh Jhar	21	0	0	... ..	10	10		Ditto.	
25	Construction of road from Chatabar to Minchinpatna in Dandimal.	300	0	0	......	100	100	1,184	......	221
	Total ...	1,279	0	0	553	170	723			
	Total for Circle ...	3,637	4	9	1,091	678	1,700			
	Western Circle.									
	Zillah Panchgarh.									
1	Construction of road from Mali Sahi to Kumuti Sahi.	200	0	0	200	......	200	423	... ..	134
2	Construction of road from Pannagar to Kauriputna.	50	0	0	50	......	50	367	......	......
3	Construction of road from Sagarguan Bandh ...	100	0	0	... ..	20	20		No data.	
4	Ditto ditto from Jhargaria Bandh in Pankal Sahi.	100	0	0	... ..	10	10		No data.	
		450	0	0	250	30	280			
	Zillah Kuspala.									
5	Construction of road from Organ to Barberana ...	600	0	0	500	100	600		No data.	
6	Ditto from Pitch Koli to Sanpadar	372	0	0	150	......	150	932	34	160
7	Construction of Kendupali Bandh in Baghmari ...	50	0	0	50	.....	50	478	......	32
8	Excavation of Champalo tank	200	0	0	85	...	85	278	29	58
9	Ditto of Suanlo tank	200	0	0	40	... ..	40	211	6	75
10	Ditto of Porapatna tank	150	0	0	... ..	30	30		No data.	
11	Construction of Barikani Bandh in Abhimanpur ...	200	0	0	. ....	20	20	56	23	31
	Total ...	1,772	0	0	825	150	975			
	Zillah Manikagora.									
12	Repairs to Birhitola Bandh in Sapaneswarpur	200	0	0	50	20	70	348	......	......
13	Ditto Barpadar Basantara Bandh	50	0	0	20	......	20	29	20	20
14	Construction of Khalirecta Bandh in Bhabanipur ..	500	0	0	......	50	50		No data.	
15	Filling up a dam in the village road of Bolgarh	3	0	0	......	3	3		No data.	
16	Construction of road from Tikatal to Kodusberani, six miles.	......			100	......	100	Taken up by District Board The money to be recouped.		
	Total ...	753	0	0	170	73	243			
	Total for Circle ...	2,975	0	0	1,245	253	1,498			

Number.	NAME OF WORK.	Amount estimated.			Amount advanced from the beginning of relief operation up to 15th August.	Amount advanced from 16th to 31st August 1888.	Total.	REMARKS. Number of persons employed to 31st August 1888.
		Rs.	A.	P.	Rs.	Rs.	Rs.	Men. Women. Children.
	RAMESWAR CIRCLE.							
	Zillahs Rameswar, Kuhuri.							
1	Repairs to Bal' Bandh at Jankia	30	0	0	....	10	10	No data.
2	Construction of road from Jankia to Changir and Haj	600	0	0	150	.....	150	350
3	Ditto ditto Haj to Nargoda	200	0	0	...	90	90	No data.
4	Ditto ditto Nargoda to Siko	300	0	0	..	20	20	Ditto.
5	Ditto Charimama Bandh in Betarjang	150	0	0	50	50	100	Ditto.
6	Ditto Mantir to Lokipur road	200	0	0	. .	20	20	Ditto.
7	Ditto Borpokharia to Bhusandpur road as far as Kantalbai, 3½ miles	1,000	0	0	......	140	140	Part done before opening of relief, Rs. 442-13.
8	Repairs of a tank in Mota	100	0	0	. .	50	50	No data.
9	Construction of Rameswar Bandh	40	0	0		20	20	Ditto.
10	Ditto road at Banuswal, zillah Kulmai	60	0	0	.. ..	50	50	Ditto.
11	Ditto Talpura village road	50	0	0	.. ...	25	25	Ditto.
12	Digging out a stone well at Haripur	40	0	0	.	20	20	Ditto.
13	Repairs to bank of a tank at Haripur	50	0	0	.. ..	25	25	Ditto.
	Total ...	2,890	0	0	200	520	720	
	Zillah Kuhuri and Rameswar.							
14	Construction of Purusotampur road, zillah Rameswar	50	0	0	....	30	30	No data.
15	Excavation of Ambajhai tank	50	0	0	50	..	50	Ditto.
16	Clearing a Chua in Jaritap, zillah Kuhuri	25	0	0	. ..	25	25	Ditto.
17	Construction of Sarubari Nala in Saran, zillah Kuhuri	50	0	0		50	50	Ditto.
18	Ditto Nuapara village road, zillah Kuhuri	30	0	0	. .	25	25	Ditto.
	Total .	205	0	0	50	130	180	
	Total for Circle ...	3,025	0	0	250	650	900	
	BANPUR CIRCLE.							
	Zillah Banpur.							
1	Construction of Panch Kiaria Bandh and sluice	200	0	0	100	... ..	100	No data.
2	Ditto of Sunakhala new building	200	0	0	200	... ..	200	Ditto.
3	Ditto of sluice in Dangmal Bandh in Chatragarh.	25	0	0	25	... ..	25	Ditto.
4	Construction of wooden bridge over Nachipur river	15	0	0	. .	15	150	Ditto.
5	Ditto Paikarapur Bandh	40	0	0	15	....,	15	Ditto.
6	Metalling Sikharpadur road	150	0	0	.. ..	50	50	} 522
7	Repairs to Brahmankusadihi tank	128	13	2	.	65	65	}
8	Ditto Dadarkhol Bandh	14	14	0	.	10	10	}
9	Ditto Kaima Bandh	21	10	0	10		10	}
	Total for Circle ..	805	5	2	350	140	490	
	GRAND TOTAL .	17,171	7	11	5,071	2,839	7,910	

4. *Chapter I, section* 9, *clause IV.*—Daily average numbers, clause 4, in receipt of gratuitous relief in each circle.

(*a*) Persons relieved through Government agency—

	Men.	Women.	Children.	Total.
North-west Circle	1,347	1,611	4,496	7,454
North-east "	1,059	1,202	2,254	4,515
West "	1,101	1,080	1,890	4,071
Rameswar "	757	993	2,200	4,214*
Banpur "	780	974	2,351	4,105
Total ...	5,044	5,860	13,191	24,389
Daily average	315	366	824	1,524

(*b*) Persons relieved through private agency.—No private agency relief opened in August, and no data regarding numbers relieved by private charity.

5. *Section* 9, *clause V.*—The daily average number employed on the works named in clause 3 cannot be given accurately, as the persons working and number employed vary from day to day. The total numbers employed are given at 10,995 men, 865 women, and 3,253 children from which the daily averages struck come to—

(*a*) Men	687
(*b*) Women	54
(*c*) Children	203

6. *Section* 9, *clause* VI.—We have not organized relief under this clause, but a few seers of cotton have been given to females at Jajharsing for spinning, and it is proposed to give them remuneration at the minimum ration rate.

* This includes 294 persons of whom details are not available.

Three bharans of paddy were given out by Rai Bhagbat Mahanti, Bahadur, Tehsildar of Khoidah, for husking in Jajharsing village. The number of women and girls employed on this work is not known.

7. *Chapter I, section* 9, *clause* 7.—The stock of grain in the estate is sufficient, but mahajans seeing the prospect of crops to be unfavourable will not advance their grain as usual; but since there has been copious rainfall throughout the sub-division, they have begun in some localities to lend paddy more or less freely to their old constituents and also to sell for cash.

Section 7.—The following is a list of prices of food-grains and salt prevailing in the several circles as reported by circle inspectors, canoongoes and police, in seers of 80 tolas per rupee:—

	Paddy, seers.	Rice, seers.	Moong, seers.	Kolthi, seers.	Salt, seers.
North-west and North-east Circles	36	$15\frac{12}{16}$ to $18\frac{6}{16}$	$15\frac{13}{16}$ to $17\frac{1}{16}$	$14\frac{7}{16}$ to $19\frac{11}{16}$	9 to $10\frac{3}{16}$
Western Circle	36	$15\frac{12}{16}$ to 21	$18\frac{6}{16}$	17	9
Rameswar Circle	34 to 36	$15\frac{12}{16}$ to $18\frac{6}{16}$	$15\frac{1}{4}$	$17\frac{1}{16}$	$10\frac{3}{16}$
Banpur Circle	34 to 44	17 to 18	21	$15\frac{12}{16}$	9

Baboo Nadia Chand Dutt reports that the selling price of foodgrains and salt in his circle was as follows:—

Rice	...	...	...	... $17\frac{1}{16}$	seers per rupee.
Paddy	...	...	...	... 36	ditto.
Moong	...	...	...	... $15\frac{13}{16}$	ditto.
Kalai	...	...	...	... $14\frac{7}{16}$	ditto.
Salt	...	...	...	... 9	ditto.

Munshi Dadar Bux reports that the prices of food-grains and salt during the fortnight were as follows:—

Paddy	...	...	...	... 36	seers per rupee.
Rice	...	...	...	... $18\frac{6}{16}$	ditto.
Kalai	...	...	...	... $19\frac{11}{16}$	ditto.
Moong	...	...	...	... $17\frac{1}{16}$	ditto.
Kolthi	...	...	...	... $28\frac{14}{16}$	ditto.
Salt	...	...	...	... $10\frac{3}{16}$	ditto.

Baboo Bhagbat Nand reports that the price of rice varied from $15\frac{12}{16}$ to 21 seers (80 tolas weight) per rupee, but that rice was not procurable without great difficulty in any village of the circle. Since the opening as a relief measure of paddy godowns at Pichkali and Bolegurh, the difficulty has to some extent disappeared. It is absolutely necessary that these godowns should be kept up till end of November or even longer. Care is taken not to interfere with the local price quoted for dhan, which is 36 seers, by measure, equal to about 36 seers of 80 tolas per rupee.

For the Rameswar circle, Baboo Gagan Chandra Das reports that the prices of food-grains and salt are gradually coming down. Several mahajans are now selling paddy at Gooipa a, Burpokharia, Olsing, Sarpari, Bhusandpore, Mantir, Arong, and this is a most hopeful sign. The price of salt has come down from 2 annas 3 pies to 1 anna 6 pies a seer. A godown for the sale of paddy at 36 seers was opened at Jenkia, the head-quarters of the circle. The necessary dhan was purchased at Olsing, only three miles from Jenkia, and the village *mudi* received an advance of Rs. 20, with which he purchases rice at Tangy at 14 seers, selling at Jenkia at 13 seers.

For Banpore Circle, Baboo Darpanarayan Das reports that the foodgrains are available for purchase in that circle at the following rates:—

Paddy	...	...	...	... 34	seers per rupee.
Rice	...	...	...	... $17\frac{1}{16}$	ditto.
Moong	...	...	...	... 21	ditto.
Kalai	...	...	...	... $15\frac{12}{16}$	ditto.
Arhur	...	...	...	... $15\frac{14}{16}$	ditto.
Kolthi	...	...	...	... $18\frac{14}{16}$	ditto.
Salt	...	...	...	... 9	ditto.

Chapter I, section 8*A*, *Clause* 8.—Rupees 45,000 under the Agriculturists Loans Act was received during the first fortnight from the Collector of Pooree, which was sanctioned by Government in their No. 2570—95 Fam. of the 6th August 1888, and Rs. 20,000 during the fortnight under notice, which also was sanctioned by Government in their No. 2682—104 Fam., dated 14th August 1888.

At close of the month Rs. 20,000 more was sanctioned by the Commissioner of the Division and the Collector in his No. 877 of the 30th ultimo. These further advances are restricted as a general rule only for those villages where the loss of crops was estimated for last year at not less than eight-sixteenths.

Rupees 28,372 was sanctioned by Government in their No. 2570-95 Fam. of the 6th ultimo for works of estates improvement, of which Rs. 10,000 was received during the first fortnight, and Rs. 5,000 during the period under review on bills passed by the Collector. For gratuitous relief Rs. 15,000 was sanctioned, *vide* Government letter quoted above.

CHARITABLE RELIEF.

9. (*a*) Under this head out of the Rs. 15,000 received Rs. 8,187-6 was made over to the circle inspectors for administration of relief up to 31st August 1888, and Rs. 1,980 was advanced for purchase of paddy and rice for sale at places where not procurable. This amount will, as far as possible, be recouped, excluding Rs. 150 worth of paddy which was given away gratuitously by Moonshi Dadar Bux in his circle.

During the current month the expenditure will be, I think, heavier than that during August, as we are finding severe distress in places where it was not expected. Anyhow a further sum of Rs. 10,000 should be sanctioned, as the Rs. 4,882-10 in hand will not last beyond the 18th instant.

The expenditure during the fortnight was Rs. 3,840-13-10, and 24,389 persons were temporarily relieved during the same period or 16 days.

The average per head therefore comes to 2 annas 6 pies, or to less than one pice each per diem. As this small sum is evidently insufficient by itself, a great number of those relieved must have done work or eked out a livelihood in some other way.

(*b*). Out of Rs. 15,000 received on account of improvement works, Rs. 2,679-4-8 was paid for works executed before relief operations were commenced, and Rs. 7,810 spent on works opened after the beginning of the relief operations, and Rs. 478 has been laid out in the purchase of tools. Rs. 2,839 was spent during the fortnight under review.

Section 9, *clause* 8 (*d*) (2).—Of the amount sanctioned under the Agriculturists' Loans Act, Rs. 59,853-8 was advanced to 20,724 ryots of the estate during the month, of which Rs. 18,944-8 was spent during the fortnight under report.

(*c*). Balance in hand at close of month—

(*a*). Rupees 4,882-10 gratuitous relief.

(*b*). Rupees 4,032-11-4 improvement works, *plus* Rs. 13,372 not drawn yet.

(*d*) (2). Rupees 5,146-8 tuccavi advances, *plus* Rs. 20,000 received in September.

Required for gratuitous relief Rs. 10,000 more.

CIRCLE ORGANIZATION AND RELIEF.

10. *Chapter II, section* 10, *Famine Code*.—As reported for the past half of August, the estate was divided into five relief circles as follows:—

I. North-east Circle under Baboo Nadia Chand Dutta, Sub-Deputy Collector, as Circle Inspector in addition to his regular duties, assisted by Canoongoe Janardan Dass as Assistant Inspector.

II. North-west Circle under Munshi Dadar Bux, Sub-Deputy Collector, in addition to his regular duties, assisted by Canoongoe Netranand Patnaik.

III. Western Circle, Baboo Bhagbat Nand, temporary Sub-Deputy Collector on relief duty, assisted by Baboo Hiralal Mukherjee, Inspector of Police, and Canoongoe Chintamani Patnaik.

IV. *Rameswar Circle*.—Baboo Gogan Chandra Das, Deputy Magistrate and Deputy Collector of Pooree, assisted by Canoongoe Banabar Das.

V. *Banpur Circle*.—Baboo Darpanarayan Das, Excise Inspector and Income-tax Assessor, assisted by Canoongoe Ras Behari Patnaik.

11. Since writing my last report the circles have been all divided into blocks or local agencies in accordance with section 21 of the chapter. Government sarbarakars and other persons of respectability have been appointed local agents, and I have given two local agents jointly for each local agency. In addition to the local agents, sub-inspectors of relief have also been appointed for each circle.

12. The organization now consists of—

1. Circle Inspectors, Deputy and Sub-Deputy Collectors.
2. Assistant Inspectors, Canoongoes and Police Inspectors.
3. Sub-Assistant Inspectors.
4. Local Agents.

13. The number of local agents and sub-inspectors for each circle are as follows:—

	Block.	Local Agent.	Sub-Inspector.
1. North-Eastern Circle	36	72	5
2. North-West "	17	89	6
3. Western "	67	95	14
4. Rameswar "	36	74	7 or 8
5. Banpur "	9	32	...

14. Each pair of local agents have about ten villages to attend to, and each sub-inspector has to supervise the work of about nine local agents.

15. The duties of inspectors and assistant inspectors, sub-inspectors, and local agents are those prescribed in Chapter 2 of the Code.

16. *Chapter III, Famine Code*.—So far as applicable, the provisions of Chapter III have been attended to in the works opened; but as these works are items of ordinary khas mehal improvement, and as our object has been to keep the distressed in their own villages

by providing work within a reasonable distance, all the sections of the chapter are not applicable.

17. *Chapter IV, Famine Code.*—It has not been found necessary as yet to open poor houses. Village relief and local works have hitherto been found sufficient.

18. *Chapter V.*—The provisions of sections 82, 84, 85 have been attended to. Some commencement has also been made under sections 82 and 83, but cotton and thread are not easily obtainable. No orphanages have as yet been opened, and so far as known no children have been abandoned or left without friends or relations.

19. *Chapter VI.*—No measures for the protection of cattle are at present required.

20. *Chapter VII.*—The police are acting in accordance with this chapter so far as is necessary.

21. *Chapter VIII.*—The public health has been fairly good, and there has not been anything special for medical officers to do.

22. *Chapter IX.*—Khordah sarbarakars are local officers under this chapter, but they have not as yet been directed by Government to submit the reports prescribed in the Famine Code.

23. The local agents and sub-inspectors have now been directed by me to supply all necessary information regarding the condition of the people, the state and prospects of crops, and the approximate areas under cultivation of different crops, with lists of the distressed persons in their blocks.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 29th September 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
	BENGAL.		
	Western Districts.		
1	Burdwan Sept. 29, '88	0·20	Weather—bright and dry. Crops excellent, except in area of loss or serious damage by floods which is 50 square miles. General prospects very good; common rice stationary at a little over 18 seers per rupee.
	Culna	Nil	
	Cutwa	Nil	
	Raniguuge	0·25	
	Bankoora „ 29, '88	0·64	Weather—very hot. Rain only on one day. Harvesting of *aus* continues; yield below average. *Amun* prospects good. Prices stationary.
	Birbhum „ 29, '88	1·75	Weather—sultry. Prospects of rice and sugarcane good.
	Rampur Hât	0·85	
	Midnapur „ 29 '88	0·91	Weather—one or two showers and hot sun. Floods beginning to subside in places. In Contai they can only dry up, as there is no drainage. Some land has been retransplanted with winter rice in Ghatal. The crops uninjured are doing well.
	Hugli „ 29, '88	0·05	Weather—hot and dry. Crops on high lands promise well. Jute is being cut. Ploughing for *rubbi* has begun.
	Serampur ..	0·04	
	Jehanabad ..	0·28	
	Howrah Oct. 1, '88	1·16	Weather—seasonable. State and prospects of crops fair.
	Ooloobериah ..	0·64	
	Central Districts.		
	24-Perghs. Oct. 2, '88	2·52	Weather—hot and oppressive. Prospects of the crops bad in parts of the Diamond Harbour sub-division, but excellent in the Basirhat sub-division, and good elsewhere. Harvesting of *aus* continues.
	Nuddea Sept. 29, '88	1·53	Weather—hot and cloudy. *Aus* harvest nearly finished; general outturn not good. *Amun* prospects poor except in Ranaghat and Chooadanga. Ploughing and sowing for winter crops in progress.
	Kooshtea	4·30	
	Meherpur	1·14	
	Chooadanga	1·10	
	Ranaghat	0·80	
	Khoolna 29, '88	0·12	Weather—hot. State and prospects of crops generally good.
	Jessore 29, '88	2·65	Weather—seasonable. Waters receding fast. Prospects of *amun* good in all sub-divisions except Bongong. Manufacture of jute nearly over.
	Jhenidah	1·28	
	Magoora	0·13	
	Narail	0·63	
	Bongong	0·05	
10	Moorshedabad 29, '88	0·03	Weather—bright and hot. Prospects of *amun* good. *Bhadoi* harvesting completed. *Kalai* being sown and in places plants are out. A rise in the river again—slight though.
	Lalbagh ...	0·92	
	Kandi ...	Nil	
	Jangipur ...	0·23	
	RAJSHAHYE DIVN.		
11	Dinagepur 29, '88	0·94	Weather—hot with bright sunshine. The want of rain for the standing crops is beginning to be urgently felt.
	Thakurgaon ...	0·40	
12	Rajshahye 29, '88	0·95	Weather—hot and rainy. Average outturn of *aus* 10 annas. Prospects of crops generally good.
	Nattore ...	4·35	
	Nowgong ..	2·03	
13	Rungpur 29, '88	0·83	Weather—dry and clear. The rainfall has benefited the *amun* crop, though it will yield less than the average.
	Nilphamari ...	0·19	
	Kurigram ...	4·95	
	Gaibandha ...	3·31	
14	Bogra 29, '88	·32	Weather—hot for this season of the year. Harvesting of rice over. Jute steeping still going on. More rain wanted for *amun*. *Kalai* being sown. *Til* growing. Sugarcane doing well. Price of rice steady.
	Sherpur ...	0·32	
	Saukhila ...	0·53	
15	Pubna 29, '88	1·24	Weather—hot and cloudy. Prospects of crops good. Jute is being reaped.
	Serajgunge	0·41	
	Darjeeling „ 29, '88	0·96	Weather—seasonable. Prospects of all crops fairly promising.
	Julpigoree „ 29, '88	1·88	Weather—hot with occasional showers. *Aus* harvest good everywhere. Prospects of *amun* fair in the Sudder sub-division, but not so in the Alipore sub-division, where it looks unhealthy for want of rain. Sowing of winter crops has commenced in places. Common rice sells at 20 seers per rupee at the Sudder station.
	Eastern Districts.		
18	Dacca Sept. 29, '88	0·43	Weather—hot and fine. *Amun* paddy doing well. Ploughing for *rubbi* crops commenced.
	Manickgunge	1·42	
	Munshigunge	0·61	
	Naraingunge	0·76	
19	Furreedpur „ 29, '88	0·20	Weather—seasonable. State and prospects of all crops good.
	Goalundo	0·37	
	Madaripur	0·43	
20	Backergunge „ 27, '88	0·62	Weather—seasonable. Prospects of *amun* good except in the Bhola sub-division, where crops have been damaged by floods and insects and are reported bad. Transplantation of *amun* is still going on in some places.
21	Mymensingh „ 28, '88	1·76	Weather—hot and cloudy. Prospects of crops good.
	Jamalpur	0·46	
	Kishoregunge	2·56	
	Attia	Nil	
	Netrokona	·25	

No.	District and date of return.		Rainfall at Sudder Station in Inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
	Eastern Districts—concld.			
22	Chittagong	Oct. 2, '88	0·14	Weather—seasonable. Transplantation continues. Harvesting of early rice nearly over. Prices steady.
23	Noakholly	„ 28, '88	1·02	Weather—seasonable. Reaping of *aus* finished. Transplantation of *amun* nearly completed. Prospects fair.
	Fenny		1·86	
24	Tipperah	„ 27, '88	1·54	Weather—seasonable; sometimes rainy, sometimes very hot. The crops are in excellent condition, and there is plenty of moisture everywhere.
	Brahmanbariah		1·95	
	Chaudpur	...	1·07	
25	Chittagong Hill Tracts.	„ 25, '88	2·17	Weather—fair on 19th, 20th, 23rd and 24th; slight rain on 21st and 22nd; copious rain on 25th. Harvesting of *jum* paddy still continues. Transplanting of late rice on low lands now over. Prospects of paddy crop not good.
	Hill Tipperah	„ 26, '88	1·35	Weather—hot. Prospects of *amun* and *jum* crops fair.
BEHAR.				
26	Patna	„ 29, '88	0·50	Weather—fair and hot. Transplantation of paddy completed; more rain wanted. *Bhadoi* being harvested, with poor outturn. Prices of food-grains still high.
	Barh	.	0·70	
27	Gya	„ 29, '88	Nil	Weather—hot. Prospects of crops continue good, but rain is now wanted to revive the moisture in the paddy fields. Harvesting of *bhadoi* nearly finished.
28	Shahabad	„ 29, '88	0·11	Weather—bright and clear. Harvesting of *bhadoi* almost over. Prospects of paddy continue hopeful. In places lands are being prepared for *rubbi* sowings. Prices show a tendency to rise.
	Buxar	..	Nil	
	Sasseram	.	0·40	
	Bhabuah	...	0·30	
29	Durbhunga	„ 29, '88	0·10	Weather—changeable. *Bhadoi* crops are still being harvested. Rain is much wanted for rice crop, especially in the northern half of district. Price of common rice averages 15 seers per rupee.
30	Mozufferpur	29, '88	0·17	Weather—hot and clear, occasionally cloudy; heavy dews at night. Harvesting of *bhadoi* crops continues, but rain urgently wanted for paddy in Sitamarhi sub-division, where prices of food-grains are rising.
	Hajipur	..	0·51	
	Sitamarhi	..	0·25	
31	Sarun	29, '88	0·18	Weather seasonable. Harvesting of *bhadoi* almost completed; outturn good. Prospects of paddy continue favourable.
	Sewan	..	0·23	
32	Chumparun	29, '88	0·76	Weather—fair and very hot. Rain much wanted for paddy in some parts; in others, prospects on the whole good. Reaping of *bhadoi* in progress; outturn very fair. Indigo manufacture completed. Prices rising.
	Bettiah		0·40	
33	Monghyr	29, '88	0·16	Weather—bright and hot. Winter rice thriving well, but wants rain in places. *Bhadoi* harvest nearly completed.
	Beguserai	...	0·44	
	Jamui		0·11	
34	Bhagulpur	29, '88	0·21	Weather—warm for the season. State and prospects of crops good, but rain is generally wanted.
	Banka	.	Nil	
	Madehpura		0·22	
	Soopole		Nil	
35	Purneah	29, '88	0·09	Weather—bright and warm. Crops doing well; more rain desirable.
	Kishengunge	...	0·74	
	Araria	.	3·22	
36	Maldah	29, '88	0·35	Weather—cloudy and warm; a few showers during the week. Rain wanted for winter rice. *Kalai* crop in English Bazar thana injured by insects.
	Chanchal	...	0·34	
	Shibgunge	...	1·46	
	Gajol	.	0·15	
37	Sonthal Perghs	„ 29, '88	0·25	Weather—warm with occasional slight showers. Prospects of rice crop continue good. There is some pinching on account of failure of *janera*, which was about half an average crop.
	Deoghur	..	0·08	
	Godda	...	Nil	
	Jamtara	..	1·00	
	Pakour		0·08	
	Rajmehal	...	·55	
ORISSA.				
38	Cuttack	28, '88	0·80	Weather—hot and clear. *Beali* rice being reaped and gathered; *sarad* growing well. Common rice 17 seers per rupee in town.
39	Pooree	27, '88	Nil	Weather—hot. Weeding and transplanting of winter rice (*sarad*) still going on. *Beali* (early rice) being harvested. Common rice 19 seers 11 chittacks per rupee in the Sudder sub-division, and 16 seers 10 chittacks in the Khoordah sub-division.
	Khoordah		0·32	
40	Balasore	28, '88	4·51	Weather—very hot; rainfall apparently local. Enquiries show great destruction of crop in Chandbally, Basudebpur and Bahapal thanas. Elsewhere rice has benefited by heavy rainfall. Price of rice rising, especially at Chandbally.
CHOTA NAGPORE.				
	South-West Frontier Agency.			
41	Hazaribagh	Sept. 28, '88	0·40	Weather—bright and clear throughout the week. All crops doing well. Prospects of winter rice very good. Lands being prepared for *rubbi* crops.
42	Lohardugga	„ 29, '88	Nil	Weather—clear and cool. No rain during the week; more showers wanted at head-quarters. Prospects continue good. Prices as before.
	Palamow	..	0·71	
43	Singbhoom	„ 28, '88	0·97	Weather—seasonable; rainy season breaking up. Reports of winter rice crop excellent. *Bhadoi* crops being harvested: about 12 annas outturn expected.
44	Manbhoom	„ 29, '88	0·37	Weather—bright and warm. Harvesting of autumn crops almost finished: outturn from 12 to 14 annas. Prospects of rice and sugarcane good.
	Govindpur		0·12	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 2nd October 1888.

P. NOLAN,
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of June 1888.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS. Rice and Paddy. Rice.	Paddy.*	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	FIBROUS PRODUCTS. Jute, raw.	Gunny bags.†	OIL-SEEDS. Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR. Drained.	Undrained.	TOBACCO. Manufactured.	Unmanufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
BENGAL.																		
Burdwan	76,511	6,246	80,415	1,075	5,178	153	87,426	......	14,525	1,681	......	21	32	90	360	8	18	1
Beerbhoom ...	13,589	..	13,589	...	1,114	......	14,704	... ..	8,330	6	......	... ..	...	526	......	...	...	...
Midnapore ...	2,12,628	17,317	2,23,440	924	1,248	..	2,25,618	75	925	9,802	..	... ..	580	426	... ..	1,501	...	...
Hooghly	37,460	2,649	39,109	7,622	11,539	1,040	59,310	1,142	723,671	7,137	1,285	1	596	12	778	26,716	...	5
24-Pergunnahs ...	1,52,996	16,716	1,63,444	43	582	.. ..	1,64,069	1,121	444,925	1,521	291	......	2,175	......	5,956	19,365	127	5,584
Nuddea	6,288	753	6,759	44,470	95,848	5,922	1,52,999	9,641	1,185	28,898	528	... .	740	423	1,902	2,805	...	5,747
Khulna	30,736	17,590	41,673	... ..	1,814	......	43,487	1,369	245	2,707	1,684	......	47	......	1,200	3,775	...	2,947
Jessore ..	45,878	9,100	49,565	1,097	39,154	... .	89,816	1,065	1,225	8,929	1,424	......	47	... ..	109	24,180	..	...
Moorshedabad ...	2	......	2	4,934	8,841	386	14,163	......	140	2,475	276	... ..	... ..	505	... ..	......	17	8,097
Dinagepore	18,846	......	18,846	650	1,023	......	20,519	......	37,240	... ..	......	......	1	......	... ..	......	...	......
Rajshahye	919	......	919	2,380	1,526	......	4,825	1,321	35	2,738	......	... ..	......	275	......	... ..	...	......
Rungpore	.. .	......	... .	2,993	......	......	2,993	9,288	28,210	.. .	198	... ..	665	......	......	......	4,734	29,524
Bogra	47,323	......	47,323	208	..	......	47,531	. .	... ..	874	......	... ..	.. ..	......	... ..	... ..	...	......
Pubna	5,175	......	5,175	996	1,375	... ..	7,546	30,745	682,640	2,819	307	... ..	... ..	......	... ..	......	...	......
Darjeeling	......	......	......	......	......	... ..	... .	104	11,515	... ..	......	22,555	... ..	......	......	.. ..	3,608	1,667
Julpigoree	......	......	... ..	......	. . ..	......	...	... ..	110,425	. ..	. ...	10,903	... ..	.. ..	......	......	...	1,345
Dacca	... ..	......	.....	4,123	5,822	... ..	9,945	15,538	1,190	2,261	6,730	1	11,985	... ..	......	......	354	654
Furreedpore	22,731	50	22,752	10,137	34,5 2	......	67,441	18,707	910	10,470	15,885	4	1,813	480	......	......	...	......
Backergunge ...	1,47,006	300	1,47,794	......	500	... ..	1,48,294	775	......	150	239	......	...	......	......	.. ...	...	......
Mymensingh ...	......	......	. ....	......	......	......	.. .	582	... ..	..... .	50	......	32	......	......	115	...	295
Tipperah ...	4,400	.. .	4,400	......	... .	......	4,400	......	.. ...	625	......	.. .	.. .	... ..	. ....	......	...	......
Chittagong ...	9,312	......	9,312	.. ...	.. ..	......	9,312	... ..	1,879	... .	......	1,468	2,579	... ..	... ..	......	...	......
Noakholly ...	......	400	250	.. . .	1,050	......	1,300	... ..	......	1,630	100	... ..	. .	... ..	... .	......	...	......
Total of Bengal ...	8,30,391	71,011	8,74,773	82,252	2,11,166	7,506	11,75,697	91,533	2,071,215	84,224	29,006	35,043	21,301	2,687	10,296	78,471	8,915	51,707
BEHAR.																		
Patna	......	......	......	89,852	40,120	13,456	1,43,428	......	1,330	3,12,764	13,090	. . ..	43	5	1,042	700	276	130
Gya	1	......	1	3,796	. ..	... ..	3,797	... ..	980	24,718	... ..	......	7	7	... ..	4	...	8J
Shahabad	......	.....	.....	84,956	5,105	... ..	90,061	... ..	......	34,262	......	... ..	28	.....	45	1,201	86	...
Mozufferpore ...	......	... .	... ..	. .	6,187	... ..	6,187	......	70	13,638	..	.. ..	... ..	.... .	......	......	93	...
Durbhunga ...	......	......	......	8,141	24,755	... .	32,896	... ..	70	68,909	2,561	. .	3	.... .	......	......	417	4
Sarun	..... .	....	... ..	1,750	4	... ..	1,754	..	210	3,498	11,794	... ..	... ..	......	......	......	...	7
Chumparun ...	......	......	... ..	8,926	294	... .	9,220	... ..	...	21,205	295	. . ..	......	......	... ..	......	...	...
Monghyr	......	......	......	35,737	31,297	.. .	67,034	... .	1,015	16,729	676	... ..	.. ..	......	......	......	...	...
Bhagulpore ...	2	......	2	1,17,591	8,083	5,496	1,31,172	......	280	15,.95	5,406	...	......	5	......	......	...	3
Purneah	864	......	864	1,491	3,118	......	5,473	142	35	1,826	3,485	... .	1	.....	......	......	1,593	49
Maldah	150	...	150	11,037	5,870	21	17,078	... ..	... ..	2,955	...	......	... ..	... ..	... ..	......	...	94
Sonthal Pergunnahs.	7	.....	7	1,38,942	32,132	297	1,71,368	... .	1,120	17,492	3,267	... .	... .	223	......	113	...	......
Total of Behar ...	1,024	. . .	1,024	5,02,229	1,56,965	19,270	6,79,488	142	5,110	5,32,291	40,574	. .	82	240	1,087	2,016	2,407	337
ORISSA.																		
Balasore	41,735	......	41,735	..	... .	. ..	41,735	... ..	1,550	......	......	... ..	... ..	4	116	......	132	... ..
CHOTA NAGPORE.																		
Hazaribagh ...	......	......	... .	...	. .	. ...	......	... .	1,645	300	......	230	2	.....	.. ..	. ..	..	......
Manbhoom ...	....	... ..	..	.. ..	...	..	... .	..	420	264	. ...	...	.. ..	.	... ..	.	...	... ..
Total of Chota Nagpore.	......	... ..	.	......	... .	......		......	2,065	564	......	230	2	... .	......	. . .	...	. ...
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	8,73,150	71,011	9,17,532	5,84,481	3,68,131	26,776	18,96,920	91,675	2,079,940	6,17,078	69,580	35,273	21,385	2,931	11,429	80,687	11,454	52,644
OTHER PROVINCES.																		
Assam .	......	......	... .		.. ..	. ..	. .	235	......	22,031	61,841	42,129	386	1				
North-Western Provinces and Oudh.	.. ...	.. ...	. .	5,37,297	27,071	4,510	5,68,878	..	805	3,31,005	1,36,806	1,5 3	8,506	79	175	1,177	4	67
Punjab	6	... .	6	.. ..	2,384	3	2,392	......	..	... ..	13,128	1,058	5,454			.		21
Central Provinces	.. ...	. ..	. . ..	29,101	......	......	29,101	......	210	82	... ..	.. .		. ....	......		1	......
Rajputana States	. .	... ..	... ..	.. .	.. ...	298	294	... ..	.	631	1,221	..	2,217	... ..	.....	.. .	...	... ..
Berar	... ..	......	... ..	...	..	... .	...	. .	... ..	... ..	707	... ..	..	. ..	. ..	..	...	4
Nepal	......	... ..	...	2,893	... ..	... .	2,893	. . ..	..	1,344	... ..	.. ..	..	.. ..	... ..	... .	...	... ..
Bombay	.. ...	......	.. ..	... ..	.. ..	2	2	... ..	...	... ..	... ..	...	21,.28	.. ..	... ..	.. .	...	.. .
Madras	. ...	... .		... ..	...	... ..	.....	... ..	.. .	.... .	... ..	3	101	3	......	..	1	3
Burmah	3,494	.....	3,494		...	... .	3,494	.. .	4,850	. . .	... ..	... ..	934	..		..	314	214
Other places ...	......	.	.. ..	..	4	..	4	.. ...	28,700	.... .	... ..	...	... ..	24	17,034	27,663	2	89 686
Grand Total of Imports in June 1888	8,76,650	71,011	9,21,032	11,53,602	3,97,589	31,589	25,04,072	91,900	2,114,555	9,72,171	2,83,403	79,900	60,600	3,037	28,708	1,09,527	11,770	53,665
Grand Total of Imports in June 1887	6,81,514	93,666	7,10,055	18,03,394	4,67,046	34,910	30,15,405	1,52,710	2,339,065	8,77,534	3,34,905	59,783	56,301	2,873	24,286	71,969	1,33,327	

* One maund of paddy is equivalent to 25 seers of rice. | † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of June 1888 *was as follows*:—

Exported from Calcutta—	Rice.	Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny bags.	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar, Drained.	Undrained.	Tobacco, Manufactured.	Unmanufactured.
To Indian ports, viz.—																		
Bombay	2,09,025	30	2,09,044	..	14,305	......	2,23,349	146	860,100	......	... .	268	1,024	.	5	. ..	3	...
Other ports in Bombay ...	...	.....	..	. ...	.	... .	..	.....	15,200	... ..	... .		. ..	..	... ..	... ..	... .	...
Madras	2,960	.. ...	2,960	......	18,020	3,307	24,287	.. .	77,400	... ..	... .	1	.	262	16	..... .	5	...
Other ports in Madras ...	67,302	1,037	68,325	... ..	3,789	...	72,114	... ..	94,000	......	......	4	...	. .	5	. .	8	.
Burmah	16,439	......	16,4 9	......	21,5 5	459	38,453	27	958,400	......	20	40	67	6	589	254	283	12,434
Other Indian ports	23	......	23	......	1,135	1,512	2,670	......	47,350	......	599	.. ...	... ..	2	905	64	21	4,935
Pondicherry ...	162	......	164	......	162	80	404	... ..	78,000	. .	.. ..	.. ..		......	... ..	......	......	..
Total of Inter-portal trade ...	2,95,911	1,667	2,96,953	... ..	58,966	5,358	,61,277	173	2,128,950	... .	619	314	1,691	270	1,520	318	318	17,369
To Foreign ports—																		
United Kingdom	96,113	......	96,113	7,94,098	73,0 6	......	9,63,277	52,003	1,382,750	7,95,918	62,280	60,876	11,953	122	......	39,814	12	...
Other Foreign ports	5,87,130	1,597	5,88,128	2,04,910	38,278	11,184	8,42,500	69,321	7,406,166	14,904	15,214	4,021	19,136	720	2,628	56	168	5,188
Total of Foreign trade	6,83,243	1,597	6,84,241	9,99,008	1,11,344	11,184	18,06,777	1,21,324	8,788,916	8,10,822	77,494	64,897	31,089	842	2,628	39,870	180	5,188
Grand Total of Exports in June 1888	9,79,154	3,264	9,81,194	9,99,008	1,70,310	16,542	21,67,054	1,21,497	10,917,866	8,10,822	78,113	65,210	32,780	1,112	4,148	40,188	498	22,557
Grand Total of Exports in June 1887	6,72,835	1,921	6,74,(38	21,95,891	2,74,837	6,256	31,49,086	69,793	6,140,025	8,77,681	1,04,562	20,269	53,460	1,607	3,444	292	15,4 2	

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of June 1888.

IMPORTS INTO CALCUTTA.

Specification of Routes.	Food-grains. Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Fibrous Products. Jute, raw.	Gunny bags.	Oilseeds. Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar. Drained.	Undrained.	Tobacco. Manufactured.	Unmanufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
by country boats ...	5,86,449	65,052	78,792	1,61,569	4,154	20,095	1,150,076	63,141	19,749	...	2,992	224	8,438	35,849	...	7,308
„ river steamers	1,641	92	15,219	3,021	31	22,668		22,247	79,052	37,091	3,081	244	1,752	...	2,232	779
„ rail East Indian Railway	71,571	1,116	10,43,785	1,78,585	24,0[illegible]	...	37,660	8,56,634	1,71,686	2,813	16,559	1,149	1,232	3,409	2,555	161
„ rail Eastern Bengal State Railway.	1,04,236	271	16,023	54,167	3,342	49,001	874,510	29,134	12,916	38,591	12,423	1,129	...	24,088	6,541	34,710
„ road ...	62,377	4,490	43	245	...	146	15,300	995	......	...	945	...	5,722	18,458	...	9,119
„ sea ...	42,696		...	4	...	.	37,429	...	...	1,451	21,791	30	17,034	27,684	448	940
Grand total of Imports in June 1888 ...	8,76,650	71,011	11,53,862	3,97,589	31,589	91,900	2,114,755	9,72,171	2,83,403	79,966	60,600	3,037	28,708	1,09,527	11,776	53,665
Grand total of Imports in June 1887 ...	6,51,514	93,666	18,93,394	4,67,016	34,910	1,59,710	2,389,065	8,77,534	3,34,995	59,783	56,301	2,873	24,236	71,969	1,34,327	

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of June 1888.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece goods. European.	Indian.	Cotton twist. European.	Indian.	Salt.	Gunny bags.
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
Burdwan ...	2,11,041	2,866	390	1,183	43,141	63,940
Beerbhoom ...	1,58,760	1,760	191	678	27,093	45,045
Midnapore ...	1,67,767	800	3,378	.	62,125	8,478
Hooghly ...	93,965	2,741	1,095	136	4,960	109,135
24-Pergunnahs ...	1,22,164	9,457	164	.	12,284	84,958
Nuddea ...	2,67,297	...	1,287	...	26,971	21,614
Khoolna ...	59,724	...	196	...	8,2[illegible]2	3,929
Jessore ...	1,06,536	...	1,258	..	28,654	7,355
Moorshedabad ...	1,06,732	...	135	.	6,942	2,551
Dinagepore ...	78,465	...	50	153	11,460	3,900
Rajshahye ...	2,37,762		16	71	14,558	5,775
Rungpore ...	2,50,174	......	......	215	15,770	1,225
Bogra ...	93,996	...	...	75	6,258	19,040
Pubna ...	1,37,514	...	8	312	45,545	570
Darjeeling ...	58,023	......	...	79	14,477	......
Julpigoree ...	1,09,131	...	3	99	11,157	...
Dacca ...	4,35,642	...	1,675	684	81,713	11,980
Furreedpore ...	2,18,184	...	3,082	.	58,756	10,000
Backergunge ...	97,524	..	1,600	...	36,901	4,735
Mymensingh ...	46,746	...	......	31	12,040	535
Tipperah ...	...	...	...	...	6,125	...
Chittagong ...	65,687	...	43	4	650	6,800
Noakholly ...	7,497	...	......	...	8,850	..
Total of Bengal...	31,24,700	17,321	12,771	3,763	4,85,908	415,716
BEHAR.						
Patna ...	90,783	770	214	583	57,949	397,785
Gya ...	41,766	...	19	618	21,087	10,185
Shahabad ...	2,06,763	5,720	2	544	24,348	73,570
Mozufferpore ...	50,685	7,810	...	25	20,885	11,070
Durbhunga ...	2,01,096	4,210	21	1,183	82,168	66,885
Sarun ...	2,74,113	7,700	4	159	19,608	64,140
Chumparun ...	2,84,145	3,520	26	24	32,967	24,150
Monghyr ...	25,200	220	5	568	16,036	59,290
Bhaugulpore ...	62,685	......	86	327	27,332	71,030
Purneah ...	1,73,754	...	292	409	9,780	7,805
Maldah ...	...	...	12	...	4,250	875
Sonthal Pergunnahs	2,08,550	330	222	815	51,678	70,735
Total of Behar ...	16,19,100	30,360	903	5,544	3,61,092	762,520
ORISSA.						
Cuttack ...	...	...	......	...	...	5,000
Balasore ...	1,15,050	..	4,563	230	30,598	35,550
Total of Orissa ...	1,15,050	...	4,563	230	30,598	40,550
CHOTA NAGPORE.						
Hazaribagh ...	28,854	...	7	160	11,286	3,500
Manbhoom ...	28,854	..	2[illegible]	1,616	15,147	2,520
Total of Chota Nagpore	57,708	...	30	1,776	26,433	6,020
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal	49,16,5[illegible]8	47,681	18,267	11,310	9,04,031	1,224,806
OTHER PROVINCES.						
Assam ...	2,14,757	...	....	75	1,43,910	525
North-Western Provinces and Oudh ...	19,46,700	8,17[illegible]	5,512	554	..	644,700
Punjab ...	6,84,873	5,660	574	..	...	538,755
Central Provinces ...	23,184	[illegible]	296	4	...	206,500
Rajputana States ...	36,918	...	207	18	..	3,865
Berar ...	125	1,150	12	......	...	...
Nepal ...	...	...	......	...	......	24,430
Bombay ...	13,960	990	1	...	1	875,300
Madras ...	93,705	.	1,480	22	...	17,230
Pondicherry ...		...	..	......	...	78,000
Burmah ...	2,23,047	49	460	4,906	109	956,300
Other places ...	16,312	9,236	148	4,766	27	8,788,916
Grand Total of Exports in June 1888 ...	81,69,440	73,691	26,957	21,705	10,48,078	13,359,347
Grand Total of Exports in June 1887 ...	75,25,704	67,638	23,152	16,945	8,38,526	8,310,132

The Seaborne Trade of Calcutta in these Staples during the month of June 1888 was as follows:—

	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
IMPORTED INTO CALCUTTA—						
From Foreign Ports—						
United Kingdom ...	1,16,78,957	...	12,479	...	6,51,786	......
Other Foreign ports ...	97,428	...	433	...	2,09,758	28,750
Total of Foreign Trade ...	1,17,76,385	.	12,912	...	8,61,544	28,750
From Indian Ports—						
Bombay ...	7,373	72,430	......	5,770	34,725	......
Madras ...	3,107	26,092	......	335	......	......
Other ports in Madras ...	......		.....	5	......	......
Burmah ...	9,800	1,080	......	......	......	4,850
Other Indian ports ...	......	250	...	......	......	3,429
Total of Interportal Trade ...	20,280	99,912	...	6,110	34,725	8,279
Grand Total of Imports in June 1888	1,17,96,665	99,912	12,912	6,110	8,96,269	37,029
Grand Total of Imports in June 1887	1,04,53,123	1,71,647	14,041	4,664	9,34,850	108,850

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of June 1888.

Specification of Routes.	Cotton piece-goods. European.	Indian.	Cotton twist. European.	Indian.	Salt.	Gunny bags.
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats ...	1,59,101	3,972	3,772	.....	2,53,775	173,174
„ river steamers ...	4,51,660	...	913	665	82,800	10,402
„ rail East Indian Railway ...	48,55,565	51,200	8,132	9,869	5,28,283	2,291,380
„ rail Eastern Bengal State Railway ...	20,43,464	......	6,036	1,169	1,5[illegible],882	82,580
„ road ...	1,55,965	9,329	804	73	4,951	39,675
„ sea ...	5,25,801	9,743	6,694	9,938	26,387	10,763,096
Grand Total of Exports in June 1888	81,69,440	73,694	26,957	21,705	10,48,078	13,359,347
Grand Total of Exports in June 1887	75,25,704	67,638	23,152	16,945	8,38,526	8,310,132

STATISTICAL DEPARTMENT,
The 29th September 1888.

H. J. S. COTTON,
Offg. Secretary to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 23rd to 29th September 1888.

Month.		Maximum	Number bright	Mean pressure barometer at 32° Fahr	Temperature: Mean	Temperature: Maximum	Temperature: Range	Temperature: Minimum	Hygrometry: Mean wet bulb	Hygrometry: Vapour tension	Hygrometry: Dew point	Hygrometry: Humidity	Wind: Prevailing direction	Wind	Rain	Weather
1888		°		Inches	°	°	°	°	°	Inches	°				Inches	
Sept.	23rd	149 [illegible]	3·9	29·822	85·0	90·1	9·[illegible]	80·6	81·1	1·012	79·6	84	SW by W and W	96	Nil	Chiefly cloudy,
	24th	152·[illegible]	9·[illegible]	·822		[illegible]	11·2	79·7	80·7	0·[illegible]8	78·8	81	WSW, W by N, and calm	49		Partially cloudy, ☊
	25th	146·0	8·2	·804	[illegible]·0	90·7	12·2	78·5	79·9	·974	77·8	80	WNW and calm	37		Partially cloudy, ☊
	26th	152·4	5·0	·795	83·2	89·6	9·7	79·9	79·9	·980	78·6	86	S by W, SSE and variable	52	0·40	Chiefly cloudy, o, g, p, t, ☊
	27th	151·2			83·8	88·8	10·7	78·1	80·1	·981	78·6	85	SSE and variable	1	Nil	Chiefly cloudy, t, ☊
	28th	146·3		·7[illegible]3	83·1	89·0	12·9	76·1	8[illegible]·0	·980	78·6	86	SW and variable	36	1·31	Chiefly cloudy, o, p, ☊
	29th	143·4	1·2	·700	84·3	90·[illegible]	11·6	7[illegible]·7	7[illegible]·6	·[illegible]2	77·7	82	W, NW and calm	51	Nil	Chiefly clear, ☊

	Inches
The mean pressure of the seven days	29·779
The average pressure of the corresponding period for 24 years, S. G.'s Office	29·783
	Hours
The total number of hours of bright sunshine	50·3
The maximum possible number of hours of sunshine	84·0
	°
The mean temperature of the seven days	84·3
The average temperature of the corresponding period for 24 years, S. G.'s Office	83·1
The extreme variation of temperature	14·8
The maximum temperature	90·9
	Miles
The highest velocity of the wind in one hour	16
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	83
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	85
	Inches
The total fall of rain from 23rd to 29th September 1888	1·71
The average fall of the corresponding period for 24 years, S. G.'s Office	1·71
The total fall from 1st January to 29th September 1888	64·07
The average fall of the corresponding period for 24 years, S. G.'s Office	58·17

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, t thunder, ☊ dew.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 1*st October* 1888.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air Pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·885	29·897	—	Calm	248·0	94·6	27th Sept.	75·1	27th Sept.	91·2	80·5	85·9	—	88·9
		Gopalpore	29·850	29·900	+·086	NW	192·0	95·2	27th „	79·3	25th „	91·6	80·6	86·1	+2·4	89·0
		False Point ..	29·864*	29·885*	+·080*	Westerly	160·0*	92·7*	24th „	77·1*	28th „	91·1*	78·6*	84·9*	+2·0*	87·6*
	Cuttack	Cuttack ..	29·817	29·898	+·113	Westerly	91·0	93·9	26th, 27th Sept.	75·8	22nd „	92·8	78·5	85·7	+2·0	87·9
	Balasore	Balasore ..	29·835	29·894	+·085	South-westerly.	90·8	92·4	23rd, 24th, 26th Sept.	76·7	23rd, 28th Sept.	91·5	78·0	84·8	+3·1	87·9
South-West Bengal.	South-West Midnapore															
	South 24-Pergunnahs	Saugor Island	29·864	29·890	+·090	SW	216·0	90·7	28th „	80·0	27th „	89·6	81·5	85·6	+1·9	86·2
	Midnapore	Midnapore ..	29·740	29·889	+·066	N	82·2	93·3	24th to 26th Sept.	77·3	27th „	92·4	78·1	85·3	+2·9	87·5
	24-Pergunnahs															
	Howrah	Calcutta ..	29·860	29·881	+·070	WSW	58·0	91·0	25th „	76·2	28th „	89·9	78·8	84·4	+3·1	85·1
	Hooghly															
	Burdwan	Burdwan ..	29·775	29·875	+·069	Westerly	21·8	92·6	26th „	78·4	27th „	91·9	79·3	85·6	+1·6	86·6
	Bankoora	Bankoora .	29·570	—	—	WNW	68·0	94·1	27th „	77·1	24th, 26th Sept.	92·4	77·8	85·1	—	87·9
	Beerbhoom															
	West Burdwan	Raneegunge .	29·544	29·851	+·099	WSW	42·5	96·5	25th, 26th Sept.	76·8	23rd, 26th Sept.	93·4	77·7	85·6	+3·2	87·0
	Moorshedabad	Berhampore ..	29·865	29·872	+·076	SSW	74·6	93·2	25th „	77·3	25th „	90·8	78·7	84·8	+0·7	86·4
	Nuddea	Krishnaghur ..	29·835	29·901	+·104	Westerly	84·9	92·8	25th „	74·3	22nd „	91·0	78·0	84·5	+2·3	86·9
	Jessore															
	Khoolna	Jessore ...	29·853	29·887	+·075	S	71·9	91·8	25th „	77·9	27th „	90·6	78·6	84·6	+1·0	87·0
East Bengal.	Chittagong	Chittagong .	29·831	29·921	+·074	Calm	45·0	88·6	26th „	75·5	22nd & 23rd Sept.	85·1	76·6	80·9	—0·7	82·6
	Chittagong Hill Tracts	Demagiri .	Observations not received.													
	Backergunge	Barrisal ..	29·883	29·[illegible]95	+·084	Calm	43·8	91·3	25th „	75·9	22nd „	87·9	78·2	83·1	+2·1	85·8
	Noakholly	Noakholly ...	29·870	29·914	—	Calm	13·5	88·3	26th „	75·6	23rd „	85·7	77·0	81·4	—	82·4
	Furreedpore	Furreedpore .	29·862	29·901	+·103	Southerly	54·0	90·5	26th „	77·4	22nd, 27th Sept.	89·1	78·7	83·9	+1·8	85·7
	Dacca	Dacca ..	29·864	29·886	+·081	S	89·0	91·6	26th „	75·6	23rd „	90·5	79·2	84·9	+1·6	86·6
	Commillah	Commillah ..	29·880	29·916	+·095	SSW&SE	48·1	90·4	25th, 26th, 28th Sept.	75·8	24th „	88·4	77·4	82·9	+0·7	82·7
	Mymensingh	Mymensingh	29·832	29·891	+·090	Calm	67·5	89·8	28th „	76·6	22nd „	88·4	77·7	83·0	+0·9	84·3
North Bengal.	Bogra	Bogra	29·787	29·851	—	Calm	43·1	91·3	27th „	76·8	25th „	90·2	78·1	84·2	—	86·6
	Pubna	Serajgunge ..	29·828	29·874	+·074	S	55·1	91·1	24th—26th Sept.	76·2	24th „	91·1	77·9	84·0	+2·2	86·2
	Rajshahye	Rampore Beauleah.	29·808	29·878	+·098	SW	105·4	91·8	24th, 25th Sept.	76·6	25th „	90·7	78·9	84·8	+3·3	87·2
	Maldah	Maldah ..	29·766	—	—	SW	69·3	91·0	22nd, 25th Sept.	76·5	24th „	90·7	78·4	84·6	—	86·5
	Dinagepore	Dinagepore	29·739	29·860	+·068	E, SSW	61·0	91·1	24th, 26th, 27th Sept.	77·1	23rd to 25th Sept.	89·5	78·0	83·8	+1·6	85·7
	Rungpore	Rungpore .	29·749	29·874	+·039	SE	54·0	91·8	27th „	74·7	24th „	89·5	76·8	83·3	+2·3	84·6
	Julpigoree															
	Cooch Behar	Julpigoree ...	29·582	29·871	+·046	E	65·1	87·0	23rd, 27th, 28th Sept.	74·8	24th to 27th Sept.	85·8?	75·5	80·7?	+0·7?	83·1
	Darjeeling Hill Tracts ...	Darjeeling ..	23·045	—	—·024	Variable	104·3	67·1	23rd „	53·1	25th & 26th Sept.	64·5	54·5	59·5	+0·7	60·1
North Behar.	Purneah															
	North Bhagulpore ...	Purneah ...	29·742	29·869	+·154	Easterly	67·3	90·7	24th, 28th Sept.	73·6	24th „	90·1	75·7	82·9	—0·2	85·7
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga .	29·700	29·867	+·077	Variable	81·6	89·4	22nd to 24th & 27th Sept.	79·3	24th, 25th, 28th Sept.	88·9	79·9	84·4	+1·5	85·6
	Chumparun	Motihari ..	29·619	29·846	+·072	Variable	121·4	92·7	25th „	73·8	28th „	91·1	75·5	83·3	+1·7	87·2
	Sarun	Chupra .	29·661	29·856	+·088	W	94·3	89·5	27th „	77·5	23rd „	87·8	78·1	83·0	+0·3	87·4
South Behar.		Dehree .	29·530	29·874	+·090	W	187·8	92·8	24th „	77·0	25th „	91·3	78·6	85·0	+3·0	87·3
	Shahabad	Buxar	29·626	29·868	+·097	W	158·5	91·4	28th „	76·7	28th „	89·5	77·9	83·7	+1·2	86·6
		Arrah ..	29·683	29·867	+·101	W	44·4	92·4	28th „	75·6	28th „	90·6	77·2	83·9	+1·3	85·6
	Gya	Gya ..	29·494	29·873	+·084	South-westerly.	73·6	91·4	24th, 27th, 28th Sept.	75·3	23th „	90·8	77·2	84·0	+0·3	85·0
	Patna	Bankipore	29·680	29·864	+·080	Calm	41·9	93·9	25th „	77·7	23rd & 28th Sept.	91·1	78·6	84·9	+0·8	86·7
	South Bhagulpore ...															
	Monghyr	Bl a·ulpore ..	29·703	29·866	+·084	Variable	47·0	90·2	22nd „	76·0	25th „	89·2	77·5	83·4	+0·7	86·5
	Sonthal Pergunnahs ...	Doomka ...	29·369	—	—	NW	87·1	92·1	25th „	76·0	23rd „	91·0	77·0	84·0	—	86·3
Chota Nagpore.	Hazaribagh	Hazaribagh	27·880	29·890	+·110	North-westerly.	235·9	85·4	22nd, 24th, 25th, 27th, 28th Sept.	70·2	28th „	85·2	71·1	78·1	—0·1	81·1
	Lohardugga															
	Manbhoom	Ranchee ...	27·707	29·884	+·101	NW	197·8	86·0	23rd „	69·9	25th & 28th Sept.	85·4	70·5	77·9	+1·5	81·2
	Singbhoom	Chyebassa ...	29·118	—	—	Calm	18·0	91·4	22nd „	72·7	26th „	90·5	74·5	82·5	—	87·1
Assam.	......	Sibsagar ...	29·584	29·920	+·049	South easterly.	51·0	89·6	27th „	73·5	23rd „	86·4	75·4	80·9	—0·9	81·7
	......	Dhubri ...	29·773	29·891	+·038	Calm	100·4	89·7	28th „	75·8	24th, 28th Sept.	87·1	76·4	81·8	+1·8	82·0
	......	Silchar ..	29·803	29·910	+·043	Calm	34·0	91·5	26th „	75·3	22nd, 23rd, 25th Sept.	87·9	76·0	82·0	—0·2	83·3

[illegible] —Summary. The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years. The humidity of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The [illegible] numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past [illegible] The number [illegible] in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fall

for the week ending Friday, the 28th of September 1888

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week	Rainfall of week at observing station	Of week: Mean for district	Of week: Normal mean	Since 1st of month: Mean for district	Since 1st of month: Normal mean	Since 1st of month: Variation	Since May 15th: Mean for district	Since May 15th: Normal mean	Since May 15th: Variation	Average number of rainy days	Normal number of rainy days	Representative station	District.	Meteorological Division.
89	2.1	0.56	0.47	1.83	8.2[?]	9.76	−1.47	[illegible]	43.84	−6.88	1.3	3.3	Pooree	Pooree	Orissa
60	0.4	Nil	—	—	—	—		—	—	—	—	—	Gopalpore		
71*	5.9*	Nil	—	—	—	—	—	—	—	—	—	—	False Point		
67	4.6	1.05	0.40	1.85	8.70	9.14	−0.[?]	47.[?]	43.01	+3.18	1.2	3.2	Cuttack	Cuttack	
77	3.6	2.[?]	1.08	2.4[?]	10.50	10.21	+0.[?]	4[?].31	[illegible]	+4.48	1.[?]	3.1	Balasore	Balasore	
91	5.0	0.09	0.[?]2	[?].0	7.[?]7	10.80	−2.83	50.[?]1	[illegible]	−1.7	1.0	3.0	Saugor Island	South West Midnapore; South 24 Pergunnahs	South-West Bengal
71	1.[?]	0.61	1.00	2.16	10.48	7.80	+2.68	5[?].84	[illegible]	+13.8	1.0	2.8	Midnapore	Midnapore	
76	4.[?]	1.5[?]	0.[?]	1.7[?]	7.[?]	7.[?]	−0.[?]5	[illegible]	4[?].8[?]	+12.45	1.2	3.2	Calcutta	24 Pergunnahs; Howrah; Hooghly	
72	3.6	0.5[?]	0.47	1.84	[?].8	7.34	0.70	[illegible]	41.[?]	+10.[?]	1.[?]	3.0	Burdwan	Burdwan	
71	2.9	0.78	0.[?]1	1.81	[?]80	7.7[?]	1.[?]	[?]0.4	17.06	+3.28	1.3	[?]	Bancoorah	Bancoorah	
71	3.3	0.25	0.[?]	[illegible]	7.[?]1	[?]4[?]	+1.01	[?].7	[illegible]	+7.[?]1	[?].0	3.1	Raneegunge	Beerbhoom; West Burdwan	
49	6.3	0.11	0.[?]	[illegible]	6.[?]	9.[?]6	01	[illegible]	4[?].[?]3	1.[?]4	2.[?]	3.2	Berhampore	Moorshedabad	
75	5.4	1.1	1.0	[illegible]	6.18	8.[?]	−0.08	[illegible]	43.75	[?].18	3	[?].0	Kishnaghur	Nuddea	
8[?]	7.1	2.73	0.[?]	[?].14	[?].04	[illegible]	−3.[?]	41.04	47.2[?]	[?].3	1.[?]	1	Jessore	Jessore; Khoolna	
86	8.[?]	3.01	1.4[?]	3.11	11.[?]4	13.[?]	2.[?]	118.[?]	1[?]3.[?]7	+1[?].[?]0	3	3.8	Chittagong	Chittagong	East Bengal
				[?]3		11.88			70.00			[?].6	Demagiri	Chittagong Hill Tracts	
81	6.1	0.[?]	0.[?]	3.[?]3	[?].44	11.[?]	−[?].13	[?]3.[?]7	[?].44	−5.17	1.8	3.7	Burrisal	Backergunge	
86	7.4	1.11	1.[?]7	3.[?]	1.[?]	1[?].[?]	−4.15	[illegible]	[?].37	−3.41	3.0	3.8	Noakholly	Noakholly	
83	4.7	0.50	0.7	3.18	6.[?]	[?].04	−[?]	[illegible]	[?].08	−4.[?]3	1.3	[?].1	Furreedpore	Furreedpore	
79	[?].1	0.83	0.34	1.44	7.10	[illegible]	−[?]	[?]01	[?]3.72	+0.43	1.8	3.0	Dacca	Dacca	
8[?]	4.4	1.[?]1	1.[?]	2.87	[?].4	11.1[?]	2.[?]7	[?]7.48	[?]2.04	−4.[?]	[?]	3.2	Commillah	Commillah	
83	6.1	0.74	1.16	[illegible]	[illegible]	1[?].1[?]	−[?].[?]4	[?].8	[?]0.18	+[?]	[?].8	3.4	Mymensingh	Mymensingh	
77	4.[?]	0.[?]	0.37	3.[?]	6.10	10.03	−[?]3	[?].8	[?]1.[?]1	[?].3	1.8	3.2	Bogra	Bogra	North Bengal
79	5.7	0.33	0	2.7[?]	3.[?]7	10.07	[?].0	[?].6	4[?].[?]	−8.[?]4	3.0	3.2	Serajgunge	Pubna	
77	2.[?]	1.13	3.3[?]	3.[?]	10.[?]4	11.00	−0.46	4[?].04	48.[?]	−[?].1	3.0	3.3	Rampore Beauleah	Rajshahye	
78	4.0	0.3[?]	0.77	[illegible]	[illegible]	10.[?]0	−4.[?]4	[illegible]	4[?].40	−11.[?]	2.0	3.0	Maldah	Maldah	
76	5.[?]	0.53	0.[?]	[?].4	[illegible]	10.[?]	[illegible]	44.4[?]	[?]2.[?]	8.[?]1	2.2	[?]	Dinagepore	Dinagepore	
82	5.1	1.10	[?].4	3.41	8.[?]8	12.7[?]	−[?].11		[?]7.[?]	−12.[?]1	[?].8	3.3	Rungpore	Rungpore	
82	1.7	1.57	1.[?]3	5.[?]4	8.76	21.[?]5	−12.[?]	81.50	101.21	−1[?].71	3.[?]	4.0	Julpigoree	Julpigoree; Cooch Behar	
64	8.7	0.90	[?]	4.41	14.[?]7	18.1[?]	−3.8[?]	[illegible]	113.12	−17.[?]1	4.8	4.[?]	Darjeeling	Darjeeling Hill Tracts	
81	4.4	0.03	0.85	3.30	6.[?]	1[?].15	5.[?]0	47.4[?]	[?]4.15	[?].3	1.2	[?]	Purneah	Purneah; North Bhaugulpore	North Behar
			0.34	3.10	3.66	8.7[?]	−5.0[?]	3[?].10	[?]03	+0.[?]	1.3	2.3	Mozufferpore	Mozufferpore	
78	4.3	0.10	0.07	[?].[?]1	5.[?]7	9.04	−3.[?]	38.48	40.[?]	[?].30	0.7	[?].5	Durbhunga	Durbhunga	
71	6.0	1.40	0.58	3.48	7.[?]3	[?].[?]	−1.[?]3	[?].77	42.01	−1.[?]1	2.0	2.4	Motihari	Chumparun	
72	2.9	0.43	0.21	2.[?]0	8.[?]6	7.[?]8	+1.00	47.[?]0	37.80	−0.1[?]	[?]1.7	[?].0	Chupra	Sarun	
59	1.4	Nil											Dehree	Shahabad	South Behar
71	8.7	Nil	0.00	1.[?]	7.8[?]	[?].[?]3	+0.8[?]	4[?].[?]9	3[?].24	+[?].7[?]	0.6	2.3	Buxar		
73	3.0	0.11											Arrah		
68	3.0	drops	0.07	1.48	6.[?]	[?].42	−0.[?]0	48.50	[?]7.27	+11.23	0.[?]	2.0	Gya	Gya	
74	4.7	0.[?]0	0.[?]	2.[?]5	5.48	6.84	1.[?]6	46.03	[illegible]	+[?].0[?]	1.[?]	1	Bankipore	Patna	
74	2.4	0.[?]1	0.[?]7	1.67	[?].[?]4	7.71	−1.17	47.14	38.93	+8.21	1.2	[?].3	Bhaugulpore	South Bhaugulpore; Monghyr	
71	0.6	0.25	0.[?]1	2.16	6.[?]	9.[?]3	−3.[?]3	50.67	4[?].0[?]	+4.62	0.8	[?].[?]	Dumka	Sonthal Pergunnahs	
67	4.9	0.08		2.08		8.93			4[?].7[?]			[?].7	Hazaribagh	Hazaribagh	Chota Nagpore
67	5.9	Nil	0.24	[?].[?]1	7.98	[?].[?]3	−0.[?]4	[?].71	41.44	+5.[?]7	0.7	2.7	Ranchi	Lohardugga	
			0.24	1.44	7.29	7.35	−0.06	45.13	42.36	+2.77	1.0	[?].4		Manbhoom	
61	1.4	1.00	0.97	1.47	[?].32	7.88	−2.56	39.74	46.8[?]	−7.11	2.0	3.3	Chyebassa	Singbhoom	
92	9.1	3.7[?]											Sibsagar		Assam
86	4.7	2.24											Dhubri		
82	9.0	1.01											Silchar		

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the sub-divisional

* Mean of 6 days.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 28th of September 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 22nd September.	Sunday, 23rd September.	Monday, 24th September.	Tuesday, 25th September.	Wednesday, 26th September.	Thursday, 27th September.	Friday, 28th September.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	......	0·87	0·08	2	1·55	6·77	9·56	30·94	36·69
		Khurdah ...	......	0·25	......	......	0·04	......	......	2	0·29	10·27	9·89	38·07	46·74
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	7·17	9·98	30·90	40·11
		False Point ...	......	......	......	......	......	......	0·03	1	0·03	8·93	10·53	47·89	49·69
		Gop ...											?		?
		Pipli ...											?		?
	Cuttack	Jagatsingpore											8·07		37·88
		Banki ...											9·43		48·42
		Cuttack ...	0·80	......	......	......	......	......	0·18	2	0·98	10·03	9·79	48·45	48·62
		Kendrapara ...	......	......	......	......	......	0·08	0·02	2	0·10	5·22	8·72	42·53	44·42
		Jajpore ...	0·28	......	......	......	......	......	......	1	0·28	11·02	9·10	56·61	46·45
		Dharmsala ..	......	......	......	......	......	0·45	......	1	0·45	9·65	?	54·81	?
		Salipore ..	0·10										?		?
	Balasore ...	Chandbali ...	0·15	......	......	0·20	......	......	0·20	3	0·55	8·80	9·64	47·67	42·73
		Bhuddruck ...	......	......	......	......	......	......	......	Nil	Nil	7·81	9·73	45·23	44·41
		Sorah ...	......	......	......	0·11	......	0·48	......	2	0·59	9·51	10·46	44·93	43·69
		Balasore ..	1·68	......	0·19	......	......	2·14	......	3	4·01	16·82	10·74	54·47	48·44
		Jellasore ..	......	......	......	......	......	......	......	Nil	Nil	10·36	10·01	55·?7	46·68
		Baripodah ...	......	......	......	......	......	1·30	......	1	1·30	9·62	10·71	51·98	47·88
SOUTH-WEST BENGAL.	Midnapore ...	Contai	......	......	......	......	......	0·05	1·28	2	1·33	9·63	10·56	51·34	50·87
		Saugor Island	......	......	......	......	......	......	......	Nil	Nil	6·23	11·19	49·15	55·29
		Tumlook ..	......	......	......	......	......	......	......	Nil	Nil	c 12·40	8·09	63·40	45·51
		Midnapore ...	......	......	......	......	......	0·91	......	1	0·91	7·56	6·93	60·40	42·67
		Ghattal ..	......	......	......	......	......	1·83	0·25	2	2·08	11·47	8·37	55·70	49·67
		Kukrahaty ...	......	......	......	......	......	......	0·38	1	0·38	9·88	?	61·93	?
		Heria ...	......	......	......	......	......	......	......	Nil	Nil	10·00	?	59·24	?
		Bhagwanpore	......	......	......	......	......	......	......	Nil	Nil	9·04	?	45·87	?
		Garbeta ...	......	......	......	......	......	0·74	......	1	0·74	6·76	?	63·94	?
	24-Pergunnahs	Diamond Harbour ..	......	......	......	......	......	......	0·24	1	0·24	8·04	10·65	52·23	51·71
		Canning Town	......	......	......	......	0·06	......	......	1	0·06	9·09	?	55·02	?
		Alipore Jail ..	......	......	......	......	1·28	......	1·24	2	2·52	10·74	9·30	57·13	49·21
		Barrackpore...	......	......	......	......	......	......	......	Nil	Nil	6·73	6·00	56·78	43·07
		Dum-Dum ...	......	......	......	......	......	0·21	......	1	0·21	7·42	8·49	59·43	45·89
		Baraset ..	......	......	......	......	0·21	0·49	......	2	0·70	8·76	7·79	61·14	48·15
		Busserhat ...	......	......	......	0·38	......	......	......	1	0·38	6·33	8·32	49·66	48·58
	Howrah ...	Howrah .	0·16	......	......	......	......	1·16	......	2	1·32	9·00	8·88	60·12	46·12
		Mohesreka (*Ooloberiah*).	......	......	......	......	......	......	0·64	1	0·64	4·81	7·99	56·41	46·70
	Hooghly ..	Serampore ...	0·04	......	......	......	......	......	0·17	2	0·21	7·89	7·54	65·82	44·59
		Hooghly ...	......	......	......	......	......	0·05	......	1	0·05	6·19	6·91	61·30	42·85
		Jehanabad ..	......	......	......	......	......	......	......	Nil	Nil	8·57	8·60	60·46	49·28
	Burdwan ...	Culna ..	......	......	......	......	......	......	0·16	1	0·16	4·64	6·50	55·95	39·12
		Burdwan ...	0·17	......	0·03	......	......	......	......	2	0·20	8·64	7·50	43·10	48·51
		Cutwa ..	......	......	......	......	......	......	1·04	1	1·04	6·46	8·01	58·20	42·59
		Raneegunge ..	......	0·11	......	......	......	0·14	......	2	0·25	5·25	6·90	56·20	44·08
		Mankur ...	......	......	......	......	......	......	......	Nil	Nil	5·01	?	41·69	?
	Bankoora ...	Bankoora ...	......	......	......	......	......	0·12	0·52	2	0·64	4·47	7·68	45·43	46·06
		Bishenpore ...	......	......	......	......	......	0·05	......	1	0·05	6·65	8·56	53·24	47·46
		Maliara ...	......	......	......	......	......	......	0·73	1	0·73	5·71	5·83	48·86	46·80
		Khatra ...	......	......	......	......	0·60	......	......	1	0·60	6·32	9·05	53·70	46·73
		Indas ...	......	......	......	......	......	......	......	Nil	Nil	4·70	?	40·83	?
		Kotalpore ...	......	......	......	......	......	0·30	......	1	0·30	3·48	?	46·84	?
		Anda ...	......	......	......	......	......	1·00	......	1	1·00	6·22	?	37·61	?
		Gangajalghati	......	......	......	......	......	......	0·56	1	0·56	5·78	?	54·04	?
		Raipore ...	......	......	......	......	......	......	......	Nil	Nil	4·60	?	54·57	?
		Sonamukhi ...	......	......	......	......	......	0·48	......	1	0·48	4·19	?	44·35	?
	Beerbhoom	Bh. Soory ...	......	......	......	......	0·03	1·72	......	2	1·75	6·50	9·94	50·86	48·88
		Hetampore ...	......	......	......	......	......	0·18	......	1	0·18	3·61	10·17	45·18	50·04
		Rampore Haut	......	......	0·64	......	0·18	0·67	......	3	1·49	14·02	10·08	65·90	46·34
		Bolpore ...	......	......	......	0·26	0·27	......	......	2	0·53	5·74	?	56·92	?
		Murarai ...	......	......	......	......	......	0·40	......	1	0·40	6·56	?	?	?
	Nuddea ...	Ranaghat ..	......	......	......	......	......	0·80	0·10	2	0·90	6·84	6·79	56·80	42·92
		Kishnaghur ...	1·19	......	......	......	......	0·34	......	2	1·53	5·84	7·63	61·70	40·52
		Chooadanga ...	......	0·50	0·20	0·05	0·20	0·15	0·15	6	1·25	5·60	9·27	49·36	45·30
		Meherpore ...	......	0·19	......	......	0·88	0·17	......	3	1·24	5·39	7·63	40·31	42·71
		Kooshtea ...	......	0·37	0·28	0·75	1·90	......	0·29	5	3·59	7·29	10·03	35·50	46·26
	Khoolna ..	Satkhira ...	0·38	......	......	......	0·06	......	......	2	0·44	5·48	8·39	36·08	48·64
		Bagirhat ...	......	......	......	......	......	......	......	Nil	Nil	3·85	9·60	46·03	54·26
		Khoolna ...	0·07	......	......	......	0·05	......	......	2	0·12	4·94	9·45	46·24	48·90
	Jessore ..	Narail ...	0·49	......	......	......	0·14	......	......	2	0·63	3·58	7·01	26·40	40·84
		Jessore ...	......	......	......	......	2·65	......	......	1	2·65	7·85	8·40	53·06	48·39
		Jhenidah ...	......	......	......	1·03	0·25	......	......	2	1·28	5·69	8·68	34·38	47·28
		Magoorah ...	......	0·13	......	......	......	......	......	1	0·13	5·47	8·20	38·60	48·88
		Bongong ...	......	......	......	......	......	......	......	Nil	Nil	5·04	8·60	44·75	45·63
	Moorshedabad	Kandi ...	......	......	......	......	......	......	......	Nil	Nil	4·33	9·20	48·47	44·79
		Berhampore ..	0·03	......	......	......	......	......	......	1	0·03	4·70	10·25	87·84	45·32
		Lalbagh ...	0·51	......	0·21	0·16	......	......	0·04	4	0·92	5·09	10·38	40·10	45·34
		Azimgunge ...	0·12	......	0·45	0·30	......	0·02	0·12	5	1·01	6·70	9·45	?	42·30
		Jungipore ...	0·10	......	......	0·03	0·04	1·60	......	4	1·77	8·46	10·32	41·61	44·68
		Lalgola ...	......	......	......	......	......	2·20	......	1	2·20	12·38	10·09	49·70	45·36
		Jiagunge ...	0·08	......	0·40	0·30	......	......	0·30	4	1·08	7·18	?	43·00	?
		Akhriganj ...	0·99	......	......	0·05	0·29	......	......	3	1·33	10·92	?	45·39	?
		Putkabari ...	0·30	......	......	......	......	......	......	1	0·30	3·30	?	48·24	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	0·45	......	......	......	......	......	......	1	0·45	7·58	14·76	136·28	121·88
		Chittagong ...	1·25	1·03	......	0·07	0·01	0·03	0·10	6	2·49	14·54	13·13	109·24	94·94
		Kutubdia ...	0·35	1·08									?		?
		Satkanya ...	0·48	0·02									?		?
	Chittagong Hill Tracts.	Rangamati ...	0·45	......	......	1·47	......	......	0·21	3	2·13	9·18	11·93	60·74	72·84
		Ruma ...	0·35	......	1·70								11·83		66·19
	Backergunge	Patuakhally ..	......	......	......	......	......	......	......	Nil	Nil	4·78	12·86	77·59	78·16
		Perozepore ...	......	0·82	......	......	0·19	......	......	2	1·01	7·87	10·86	60·32	61·41
		Burrisal ...	0·51	0·02	......	......	0·09	......	0·35	4	0·97	5·58	11·21	56·09	59·95
		Bhola ...	......	0·42	......	......	......	......	......	1	0·42	7·56	11·54	59·09	73·10

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 28th of September 1888—contd.

Meteorological Division.	District.	Station.	Saturday, 22nd September.	Sunday, 23rd September.	Monday, 24th September.	Tuesday, 25th September.	Wednesday, 26th September.	Thursday, 27th September.	Friday, 28th September.	Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			Rainfall.							**Total.**					
East Bengal—concld.		*Gournaddi* ...											?		?
		Bauphal ...	0·97	1·25	......	......	......	0·03	......	3	1·35	9·08	?	82·98	
	Noakholly	Noakholly .	......	0·70	......	......	0·32	......	0·06	3	1·08	8·34	17·36	89·67	97·41
		Fenny .	0·82	0·59	...	......	......	......	0·83	3	2·26	16·00	15·36	96·19	96·52
		Harishpore ...	0·50	0·03	......	......	1·89	......					?		?
		Ramganj ..	......	2·38									?		?
	Furreedpore	Madaripore .											8·37		50·30
		Furreedpore ..	......	......	0·25	......	......	......	......	1	0·25	5·74	8·28	50·70	50·39
		Goalundo	0·03	0·17	......	......	......	......	......	2	0·26	4·85	7·90	49·98	46·64
	Dacca ...	Munshigunge	......	0·61	......	......	......	......	......	1	0·61	10·21	11·54	59·16	62·25
		Dacca	......	0·43	......	......	......	......	......	1	0·43	6·88	9·67	50·29	53·09
		Narainggunge	......	0·76	......	......	......	......	......	1	0·76	6·96	11·04	59·61	58·85
		Manickgunge	0·02	0·58	0·69	......	......	......	0·66	4	1·95	3·04	7·57	41·35	44·40
		Joydebpore .	0·05	0·35	......	......	......	......	......	2	0·40	3·93	?	57·14	?
	Hill Tipperah	Agartola ...	......	......	0·85	......	......	......	......	1	0·85	6·73	10·30	52·88	54·24
	Tipperah ...	Comilla ...	0·38	1·16	......	......	......	......	......	2	1·54	8·39	10·96	61·63	60·19
		Chandpore .	0·20	0·97	......	0·10	......	......	......	3	1·27	8·04	11·83	52·97	60·46
		Brahmunberia	0·86	0·08	0·31	......	......	......	0·11	4	1·34	10·61	11·38	61·30	54·53
		Ramchandrapore.	......	1·17	......	......	......	......	......	1	1·17	9·54	?	54·96	?
		Nasirnagar ...	......	......	......	......	......	......	1·30	1	1·30	10·03	?	50·54	?
		Daudkandi .											?		?
		Kasba ..	......	0·45	......	......	......	......	......	1	0·45	8·37	?	53·13	?
		Laksham ..	1·45	1·05	......	......	......	......	......	2	2·50	9·31	?	65·56	?
	Mymensingh	Kishoregunge	1·25	......	......	0·81	......	......	1·11	3	3·17	15·81	12·67	78·16	62·97
		Atia (*Tangail*)	......	......	......	......	0·19	......	......	1	0·19	2·46	9·56	33·14	49·46
		Mymensingh	0·23	......	0·05	......	0·72	......	0·20	4	1·20	11·81	13·87	64·31	66·46
		Jamalpore	......	0·15	......	......	......	......	0·69	2	0·84	6·93	13·96	61·50	54·10
		Netrokona ...	0·11	0·02	0·12	......	......	......	1·66	4	1·91	10·58	12·27	74·76	63·70
		Subornakhali	......	......	......	......	0·84	......	2·08	2	3·82	9·52	?	57·05	?
		Durgapore .	......	1·60	......	......	0·50	......					?		?
		Dewanganj	0·06	......	......	......	......	......	0·87	2	0·93	3·80	?	50·00	?
North Bengal.	Pubna	Pubna ...	......	0·91	0·26	......	......	......	0·07	3	1·24	4·65	10·64	38·71	49·09
		Serajgunge ..	......	0·02	......	0·13	......	0·10	......	3	0·25	2·46	9·52	39·96	47·06
	Bogra	Sherpore ..	......	......	0·16	......	......	......	......	1	0·16	6·33	10·11	38·70	53·32
		Nowkhilla ...	0·05	......	0·24	......	......	......	0·05	3	0·34	5·15	9·38	47·84	48·18
		Bogra .	......	......	0·16	......	......	0·04	......	2	0·20	5·69	10·37	40·10	55·39
		Punchbibi	......	......	0·78	......	......	......	......	1	0·78	7·25	10·24	42·53	50·50
	Rajshahye	Beauleah	0·02	......	......	0·05	......	0·88	......	3	0·95	4·75	10·78	25·75	47·26
		Nattore	......	......	1·05	......	3·30	......	1·40	3	5·75	16·30	11·2?	58·28	49·03
		Naogaon	0·84	......	1·19	......	......	......	......	2	2·03	8·04	?	35·42	?
		Lalpore ...	0·48	0·93	0·15	......	......	......	......	3	1·56	8·81	?	38·37	?
		Manda .	......	......	......	......	......	0·13	......	1	0·13	4·44	?	28·01	?
	Maldah ...	Maldah .	......	......	0·15	......	......	0·20	......	2	0·35	6·95	10·98	45·58	46·05
		Chanchal ..	......	......	0·24	......	......	0·96	......	2	1·20	5·98	10·39	30·73	52·72
		Gajol ...	......	......	......	......	0·20	0·25	......	2	0·45	6·86	?	35·85	?
		Sibganj ..	0·06	......	......	1·40	......	......	......	2	1·46	7·61	?	44·55	?
	Dinagepore ..	Mohadebpore	......	0·30	......	......	......	......	......	1	0·30	4·12	11·09	36·44	53·59
		Churamon ..	......	......	0·59	......	......	1·47	......	2	2·06	10·99	12·18	43·86	49·69
		Raigunge	......	......	0·29	......	......	0·35	0·29	3	0·93	7·26	10·40	48·03	54·58
		Dinagepore	......	......	0·56	......	......	0·35	0·03	3	0·94	4·90	10·78	56·43	57·88
		Balourghat	......	......	0·30	0·07	......	......	......	2	0·37	3·48	10·30	37·65	46·77
		Thakoorgaon	0·19	......	......	......	......	......	......	1	0·19	8·36	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	0·98	......	2·15	......	......	......	......	2	3·13	6·25	11·54	44·55	55·40
		Rungpore ...	0·20	0·03	0·35	0·01	0·06	......	......	5	0·65	7·51	13·23	50·55	68·46
		Kurigram ..	0·63	......	4·32	......	......	......	......	2	4·95	13·29	11·11	71·28	67·54
		Bagdogra (*Nilphamari*)	0·03	......	......	......	......	0·85	......	2	0·88	6·47	15·29	52·16	79·66
		Ulipore ..	......	......	3·10	......	......	......	......	1	3·10	8·44	?	52·87	?
	Julpigoree ...	Julpigoree ..	0·22	0·94	......	......	......	......	0·72	3	1·88	13·61	23·51	102·35	110·89
		Alipore Doar	0·22	0·90	......	......	......	0·32	3·27	4	4·71	11·02	?	79·28	?
		Fallacotta ...	0·13	0·85	......	......	......	0·34	2·65	4	3·97	11·37	?	88·82	?
		Debiganj ..	0·16	......	0·06	......	......	......	......	2	0·22	4·84	?	59·93	?
	Cooch Behar	Dinhatta .	0·08	......	0·61	......	......	0·19	......	3	0·88	8·33	18·05	89·00	85·75
		Cooch Behar .	0·32	0·24	0·47	......	1·43	0·05	......	5	2·51	8·14	21·98	86·9?	111·71
		Mekligunge .	0·11	0·22	......	......	......	0·22	......	3	0·55	8·67	21·83	73·10	102·76
		Matabhanga...	0·03	0·18	0·02	......	0·10	......	......	4	0·33	5·06	21·50	71·16	106·76
	Darjeeling Hill.	Buxa .	0·30	......	1·11	0·04	0·07	1·89	1·03	6	6·64	23·76	30·12	148·44	179·12
		Silliguri ..	......	1·40	0·81	......	......	......	1·00	3	3·21	10·49	14·72	79·10	97·01
		Darjeeling ...	0·08	0·39	0·39	0·01	......	0·03	0·06	6	0·96	11·99	17·39	86·58	100·43
		Kalimpong ..	0·33	0·04	......	......	......	0·34	1·66	4	2·37	10·78	10·24	67·77	74·48
North Behar	Purneah .	Kissengunge...	......	0·10	......	......	......	0·64	......	2	0·74	6·38	13·85	46·70	66·07
		Arrareah .	......	......	0·22	......	......	3·00	......	2	3·22	8·23	13·56	50·50	59·44
		Purneah .	0·09	......	......	......	......	......	......	1	0·09	4·82	13·64	43·61	56·54
		Gondwara ...	0·25	......	......	......	......	......	......	1	0·25	4·65	?	?	?
		Balarampore	0·35	......	......	......	0·60	......	......	2	0·95	8·51	?	?	?
		Mattari ...	......	......	......	......	......	1·26	......	1	1·26	5·42	?	?	?
		Kaliaganj ...	......	0·19	......	......	0·30	......	......	2	0·49	6·90	?	55·84	?
	North Bhagulpore	Maddapore ..	......	......	0·22	......	......	......	......	1	0·22	9·83	9·59	55·38	44·45
		Soopool ...	......	......	......	......	......	......	......	Nil	Nil	6·10	9·70	40·99	44·66
		Protabganj ...	......	......	......	......	......	......	......	Nil	Nil	4·57	?	37·78	?
	Durbhunga	Tajpore ...	......	......	......	......	0·12	......	......	1	0·12	6·06	8·01	39·80	39·19
		Durbhunga ...	0·10	......	......	......	......	......	......	1	0·10	4·38	9·06	35·21	41·67
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	5·65	10·05	40·72	41·56
		Bahera ...	......	......	0·20	......	......	......	......	1	0·20	6·65	?	50·70	?
		Roshera ...	......	......	1·15	......	......	0·40	......	2	1·55	8·27	?	43·46	?
	Mozufferpore	Sitamarhi ..	......	......	......	0·25	......	......	......	1	0·25	2·50	9·46	31·66	39·39
		Mozufferpore	......	0·47	......	......	......	......	......	1	0·47	3·78	9·70	40·07	40·96
		Hajipore ...	......	0·09	0·35	......	0·10	......	......	3	0·54	4·82	7·06	45·18	36·96
		Para ...	......	......	0·40	......	0·35	......	......	2	0·75	4·29	?	36·02	?
		Mahua ...	......	0·09	......	0·05	0·10	0·90	......	4	1·14	4·50	?	35·41	?
		Sukhar ...	......	......	......	......	......	......	......	Nil	Nil	7·33	?	28·27	?
		Pupri ...	......	......	1·02	......	......	......	......	1	1·02	4·57	?	23·16	?
	Chumparun	Motihari ...	......	0·36	0·40	......	......	......	......	2	0·76	6·71	8·90	35·91	40·19
		Bettiah ...	......	0·35	......	......	0·05	......	......	2	0·40	8·54	9·00	45·55	43·8?
		Bagaha ...	......	......	3·72	0·62	0·0	......	......	3	4·39	11·90	?	52·00	?0
		Burhurwa ...	......	0·26	......	0·26	0·46	......	......	3	0·98	4·07	?	33·66	

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 28th of September 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 22nd September.	Sunday, 23rd September.	Monday, 24th September.	Tuesday, 25th September.	Wednesday, 26th September.	Thursday, 27th September.	Friday, 28th September.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
North Behar—*concluded.*	Sarun	Gopalgunge ...	...	...	...	...	...	...	...	Nil	Nil	7·18	6·90	36·00	37·60
		Sewan ...	...	...	0·05	0·09	...	...	...	2	0·14	12·24	8·11	40·33	38·61
		Chuprah ...	...	0·13	0·31	0·04	...	...	...	3	0·48	5·34	6·76	35·24	35·99
South Behar	Shahabad	Buxar ...	...	0·03	...	...	...	...	...	1	0·03	11·25	7·01	40·14	33·85
		Dehree ...	...	...	...	...	...	...	...	Nil	Nil	7·93	7·06	41·56	34·09
		Bhuboosh ...	...	...	...	...	...	...	...	Nil	Nil	7·20	6·45	39·57	36·34
		Sasseram ...	...	...	...	0·20	...	...	...	1	0·20	7·13	6·75	41·07	35·76
		Arrah ...	...	0·05	...	...	...	...	...	1	0·05	5·58	6·71	42·54	35·84
		Mohania ...	...	...	...	...	...	...	...	Nil	Nil	8·30	?	33·98	?
	Gya ..	Aurungabad ...	...	...	...	...	...	...	...	Nil	Nil	5·07	6·79	52·25	38·53
		Gya ...	...	...	...	...	...	...	...	Nil	Nil	7·85	6·91	40·82	38·77
		Nowadah ...	...	...	...	0·23	0·04	...	...	2	0·27	4·40	6·68	47·07	36·04
		Jehanabad ...	...	...	...	...	...	...	...	Nil	Nil	6·66	5·30	44·67	35·64
		Arwal ...	...	...	...	0·16	...	...	...	1	0·16	7·22	?	37·22	?
		Daudnagar ...	...	...	...	...	...	...	...	Nil	Nil	6·28	?	41·71	?
		Sherrghati ...	...	...	...	...	...	...	...	Nil	Nil	3·80	?	32·02	?
		Rajauli ...											?		?
		Pakri Barawan	...	...	...	0·85	...	...	...	1	0·85	5·14	?	37·06	?
	Patna ...	Patna ...	...	0·13	...	...	0·33	0·04	...	3	0·50	3·17	6·92	39·04	37·55
		Dinapore ...	...	0·20	...	...	...	...	...	1	0·20	2·70	6·62	41·39	37·17
		Behar ...	...	...	...	...	...	...	...	Nil	Nil	3·68	6·39	51·06	37·48
		Barrh ...	...	...	0·70	...	...	...	...	1	0·70	11·20	7·50	52·57	35·58
		Bickram ...	...	...	...	...	...	...	...	Nil	Nil	6·35	?	37·00	?
		Hilsa ...	...	...	0·10	0·10	...	...	...	2	0·20	4·69	?	45·29	?
	Monghyr	Begooserai ...	...	...	...	...	0·46	0·40	...	2	0·86	7·07	6·98	45·19	35·75
		Monghyr ...	...	...	...	0·16	...	...	...	1	0·16	9·95	8·42	53·22	41·69
		Jamui ...	...	...	...	...	0·11	...	...	1	0·11	4·46	7·13	47·44	39·25
		Gogri ...	...	...	...	0·78	...	...	...	1	0·78	12·04	?	58·40	?
		Sheikpura ...	...	...	...	...	1·40	0·30	...	2	1·70	4·54	?	58·13	?
	South Bhagulpore	Bhagulpore ...	...	...	...	0·19	...	...	...	1	0·19	6·20	7·43	52·81	38·04
		Banka ...	...	...	0·05	...	...	...	...	1	0·05	4·44	8·57	30·74	38·90
		Kolgong ...	0·04	...	...	...	...	...	...	1	0·04	6·00	?	40·39	?
	Sonthal Pergunnahs	Rajmehal ...	...	...	...	...	...	0·55	...	1	0·55	4·37	11·94	45·31	48·10
		Godda ...	...	...	...	...	...	...	...	Nil	Nil	5·91	9·30	46·46	41·29
		Pakour ...	...	...	...	0·08	...	...	...	1	0·08	11·12	12·43	59·26	50·02
		Nya Doomka ...	...	...	...	...	...	...	0·25	1	0·25	4·14	10·26	48·12	47·80
		Deoghur ...	...	...	...	...	...	...	...	Nil	Nil	5·47	8·38	50·18	44·63
		Jamtara ...	...	...	...	...	0·52	0·48	...	2	1·00	7·10	7·04	54·63	43·85
		Mohaguma ...	...	...	...	...	...	...	...	Nil	Nil	8·44	?	?	?
		Nanimai ...	...	...	...	...	...	0·14	...	1	0·14	1·20	?	27·13	?
Chutia Nagpur.	Hazaribagh ...	Pachamba (*Giridi*).	...	...	...	...	...	...	...	Nil	Nil	5·88	8·56	51·14	48·21
		Hazaribagh ...	...	...	0·03	0·05	...	...	...	2	0·08	5·10	8·00	53·35	43·07
		Semtagurah ...	...	...	...	...	...	...	...	Nil	Nil		7·86		41·15
		Mahudi Hills											8·11		48·55
		Jhoomrah Hills	...	...	...	...	...	...	...	Nil	Nil	6·00	12·10	61·45	56·80
		Barhi ...	...	...	...	...	...	...	...	Nil	Nil	3·95	?	48·51	?
		Chatra ...	...	...	...	...	...	...	...	Nil	Nil	7·45	?	52·86	?
		Karagdeha ...	...	...	...	...	...	...	...	Nil	Nil	11·40	?	51·83	?
		Ramghar ...											?		?
	Lohardugga ..	Lohardugga ...	...	...	...	0·11	0·61	...	...	2	0·72	8·21	10·54	45·47	47·34
		Ranchi ...	...	...	...	...	...	...	...	Nil	Nil	7·88	8·65	52·33	47·38
		Palamow ...	...	...	...	...	...	...	...	Nil	Nil	7·88	7·54	51·36	38·69
		Silli ...	...	...	...	...	...	...	...	Nil	Nil	5·90	?	?	?
		Balumat ...											?		?
		Hossetnabad ...	...	...	...	...	...	...	...	Nil	Nil	4·32	?	?	?
		Garwah ...	...	...	...	...	...	...	...	Nil	Nil	8·72	?	46·48	?
	Singbhoom ...	Chyebassa ...	...	0·90	...	...	0·07	...	...	2	0·97	5·32	7·88	39·74	46·89
		Chakradharpore.	...	0·49	0·50	0·30	0·50	...	0·42	5	2·12	10·02	?	?	?
		Ghatsilla ...											?		?
		Baharagura ...	...	...	...	...	...	...	...	Nil	Nil	5·80	?	58·55	?
	Manbhoom ...	Purulia ...	...	...	...	...	0·37	...	...	1	0·37	9·13	7·61	55·72	44·51
		Govindpore ...	...	...	...	...	0·11	...	...	1	0·11	5·44	7·07	34·52	40·41
		Raghunathpore.	...	...	...	...	...	...	0·06	1	0·06	7·41	?	51·55	?
		Barrabhoom ...	...	...	...	...	...	...	...	Nil	Nil	4·79	?	50·42	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 2nd October* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 28TH OF SEPTEMBER 1888.

At the close of the previous week the inrush of monsoon winds following in the rear of the severe cyclonic storm which had passed through Orissa on the 16th still continued to flow over Bengal. The monsoon winds were, however, gradually diminishing in force, and for the first two or three days of the week only, weather in Bengal and over the Bay remained of very light south-west monsoon character. Pressure commenced to fall from the 23rd, the fall being generally moderately rapid at the stations on the Arakan and Pegu coasts, and on the 24th and 25th suspicious weather obtained in the east of the Bay, but this tendency to the formation of a barometric depression passed away, and weather again became fine. The westerly element in the wind directions then commenced to increase in strength, and in some cases winds became even north-westerly, and gradually the easterly and south-easterly winds which had set in on the 24th were driven back, and rainfall gradually became lighter and more local in character from the middle of the week, and though on the 23rd a considerable amount of rain fell, on Friday, the 24th, only a few showers were reported At the end of the week, therefore, conditions were clearly those which usually obtain at the close of the rainy season in Bengal. Pressure was fairly uniform over the province; temperature had risen rather rapidly, and was about 2° above the normal; more or less westerly, and in some cases even north-westerly, winds were reported at all except the extreme eastern stations. Humidity had decreased moderately at the western and central stations in the province, and fine weather generally was reported, rain showers being very few in number, and generally light in amount.

Pressure—Has been above the normal for the greater part of the week, though at its close it had become nearly normal, and the mean pressure has been in excess by amounts which range up to about a tenth of an inch at some of the western stations, the excess at Cuttack equalling 0 113 inch and at Hazaribagh 0·110 inch The general mean pressure of the province has been above the normal by about 0 07 inch to 0 08 inch. In Assam pressure has been in excess of the normal by 0 043 inch.

Temperature.—Owing to the comparative lightness of the rainfall during the week, temperature has generally been in excess of the normal. The mean temperature of the whole province for the week has been 1·5° above the normal, and in Orissa the excess has equalled 2·5°, and in South-West Bengal and North Bengal the excess has been 2°. In Assam a slight excess of 0 2° only is reported.

Rainfall—As previously stated, has been comparatively light during the week The heaviest falls have occurred in North Bengal, the stations in which have averaged 1·32 inches, which is, however, more than two inches in defect of the normal In East Bengal a fall of 1 10 inches has been received which is again nearly two inches less than the usual amount Orissa and South-West Bengal have received falls, which average rather less than an inch, and both are about an inch and a quarter in defect of the normal. North Behar has only received a fall of about half an inch or two and a half inches less than the usual fall at this period, while South Behar and Chutia Nagpur have received falls which average about a quarter of an inch, and these districts are one and two-thirds inches in defect The falls generally over the province have therefore not equalled more than about 30 per cent of the normal.

The following districts have, however, received fairly good falls during the week :—Nuddea, Rajshahye, Rungpore, Darjeeling, and Singbhoom; while on the other hand the falls in Bogra, Mozufferpur, Durbhunga, Sarun, Shahabad, and Gya have been particularly scanty.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 28th of September 1888 :—

METEOROLOGICAL DIVISIONS.	Temperature: Averages for week					[illegible] week above [illegible] mean of week	Rainfall: Of week.	Normal	[illegible]	Rainy days: Average [illegible] week	[illegible] average [illegible] in week.	[illegible]	Since 1st of month		Since 15th May	
Orissa	93 2*	75 8*	91 8*	78 9*	85 4*	2 1*	0 66	2 10	1 44	1 5	3 0	+1 5	8 66	10 11	45 50	44 90
South-West Bengal	98 5	74 3	91 3	78 7	86 0	+2 0	0 84	2 14	—1 30	1 7	3 2	+1 5	6 92	8 60	51 50	40 18
East Bengal	91 6	73 6	87 9	77 8	82 9	+1 1	1 10	2 94	—1 84	2 3	3 5	+1 2	8 20	11 58	65 09	66 23
North Bengal	91 8	74 7	89 5	77 7	83 6	+2 0	1 32	3 53	—2 21	2 6	3 6	+1 0	7 24	15 17	51 69	64 06
North Behar	92 7	75 6	89 5	77 3	83 4	+0 8	0 45	2 95	—2 50	1 3	2 3	+1 0	6 42	9 60	41 44	44 14
South Behar	93 9	75 3	90 5	77 7	84 1	+1 2	0 23	1 87	—1 65	0 9	2 2	—1 3	6 49	7 70	47 09	39 30
Chutia Nagpur	86 0†	69 9†	85 3†	70 8†	78 0†	+0 7†	0 30	1 94	—1 64	1 0	2 8	—1 8	6 40	8 51	47 97	44 87
Assam	91 5	73 5	87 1	75 9	81 [illegible]	+0 [illegible]										

* Purree not included.
† Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 2nd October 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 23rd to 29th September 1888.

Month	Date	Temperature				Hygrometry				Rain
		Mean	Maximum	Range	Minimum	Mean wet bulb	Vapour tension	Dew point	Humidity.	
1888		°		°		°	Inches	°	%	Inches
September	23rd	84 9	92 0	11 2	80 8	80 4	·978	78 6	81	·
	24th	8[illegible] 4	9[illegible] 5	1[illegible] 7	7[illegible] 8	80 9	·99[illegible]	79 1	81	
	25th	[illegible]	9[illegible] 0	14 0	79 0	80 2	·961	78 0	78	
	26th	82 7	90 0	10 2	79 8	79 7	·975	78 5	87	0 65
	27th	85 2	9[illegible]	13 2	78 [illegible]	78 9	·951	77 1	82	
	28th	80 [illegible]	91 0	12 0	79 0	77 8	·913	76 5	87	0 43
	29th	85 3	92 0	13 2	78 8	78 8	·898	76 0	74	

The mean temperature of the seven days	...	...	...	84·0°
The extreme variation of temperature	..	..	...	14·7
The maximum temperature	...	...	...	93·0
The mean relative humidity	...	...	..	81 %
The total fall of rain from 23rd to 29th September 1888	..		...	1·08 Inches

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction, dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE INDIA; A. PEDLER,

The 1st October 1888. *for Offg. Meteorological Reporter to the Govt. of India.*

MEMORANDUM.

The chief features in the mortuary statistics of the districts in Bengal, for the month of July 1888, deduced from the table annexed to this memorandum, are—

1. That the deaths of 113,931 persons were registered out of a population of 66,163,884 in these districts, presenting a death-rate of 20·61 per 1,000 per annum, against 19·08 per 1,000 in the preceding month, and 24·84 per 1,000 during the corresponding month of 1887, indicating, as compared with the former period, a fair advance in the registration of deaths, and that of the latter period a great retrogression.

2. That the highest casualty-rates were returned from the following districts :—

Districts	Ratio per *mille*	*Districts*	Ratio per *mille*
Darjiling ...	45·12	Patna ...	27 96
Chumparun ...	38 76	Hazaribagh ...	27 96
Julpaiguri ...	33 36	Bogra ...	27 18
Maubhum ...	31 80	Monghyr ...	25 80
Gya ...	28 44	Cuttack ...	25 68

3. That, referring to the incidence of the diseases mentioned in the table given below, it is seen that cholera prevailed with considerably less fatality during the month under notice, as compared with the results of the corresponding month of the preceding year, and that the death rates from the other diseases exhibited only fractional variations :—

	Ratio per *mille* during— July 1888.	July 1887
Cholera	1 56	5 52
Small-pox	·12	·07
Fever	14 16	14 52
Bowel-complaints	·72	·84
Injury	·60	·72
Other causes	3 12	2 88

4. That, while injury proved nowhere markedly fatal, cholera, small-pox, fever, bowel-complaints and the maladies coming under the head of "Other causes" displayed their greatest activity in the following districts :—

Cholera.

	Ratio per *mille*
Chumparun	16 32
Manbhum	12 84
Cuttack	7 08
Puri	4 56
Mozufferpore	2 88
Hazaribagh	2 64
Patna	2 40
Balasore	2 16
Singbhum	2 16

Small-pox.

	Ratio per *mille.*
Chumparun	2·16

Fevers.

	Ratio per *mille.*
Julpaiguri ...	30 72
Darjiling ...	24·96
Bogra ...	23·88
Dinajpur ...	22 44
Rungpore ...	21 00
Gya ...	20 76

Bowel-complaints.

	Ratio per *mille*
Darjiling	13·20

Other causes.

	Ratio per *mille.*
Puri	11·64

5. That distributed under the heads of *Sex*, *Class* and *Age*, the mortality of the month under notice stood as follows :—

According to Sex.

	Ratio per *mille.*
Males ...	22·56
Females ...	18 72
Ratio of male deaths to every 100 female deaths ...	118

According to Class.

	Ratio per *mille.*
Christians ...	11·52
Hindus ...	21 60
Mahomedans	18 60
Budhists ...	18 96
Other classes	20·16

According to Age.

	Ratio per *mille.*
Under 1 year ...	158·28
1 and under 5 years...	25 20
5 " 10 " ...	11 52
10 " 15 " ...	10·44
15 " 20 " ...	13·68
20 " 30 " ...	13 08
30 " 40 " ...	14 64
40 " 50 " ...	18 24
50 " 60 " ...	25 08
60 years and upwards ...	41 64

W. H. Gregg, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

The 1st October 1888.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of July 1888.

1	2	3			4							5							6		7		8		9
					MORTALITY ACCORDING TO—																				
		POPULATION			Disease																Sex				
					DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM							COMPARISON WITH PREVIOUS PERIODS		DEATHS AMONG—		RATIO PER 1,000 OF POPULATION PER ANNUM		
DIVISIONS	DISTRICTS	Males	Females	Total	Cholera	Small pox	Fevers	Bowel complaints	Injury	Other diseases	All causes	Cholera	Small pox	Fevers	Bowel complaints	Injury	Other diseases	All causes	Ratio of deaths per 1,000 of population per annum in the previous month	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year	Males	Females	Males	Females	Ratio of male deaths to every 100 female deaths
BURDWAN	Burdwan	[illegible]	723,528	1,391,823	[illegible]		[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	2·64	[illegible]	16·92	[illegible]	[illegible]	811	[illegible]	13·44	121
	Bankura	[illegible]	534,616	1,041,752	58	5	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	·03	[illegible]	·72	·48	4·08	[illegible]	15·84	14·41	797	661	18·54	14·76	120
	Beerbhoom	[illegible]	412,865	794,128	20		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	·12	·48	5·40	[illegible]	[illegible]	[illegible]	[illegible]	670	23·04	[illegible]	109
	Midnapore	1,243,195	1,272,570	[illegible]	116	1	[illegible]	[illegible]	133	[illegible]	[illegible]	·48	·003	[illegible]	1·08	·61	3·00	18·60	17·52	[illegible]	[illegible]	[illegible]	[illegible]	16·58	121
	Hughli	[illegible]	347,385	[illegible]	6		[illegible]	[illegible]	[illegible]	146	[illegible]	[illegible]		[illegible]	1·32	[illegible]	[illegible]	15·12	15·72	13·20	[illegible]	[illegible]	[illegible]	[illegible]	128
	Serampore	174,360	[illegible]	[illegible]	[illegible]		[illegible]	4	21	101	[illegible]	·24		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10·32	137
	Total (Hughli including Serampore)	490,051	[illegible]	[illegible]	15		773	117	54	247	[illegible]	·12		9·12	1·32	[illegible]	2·76	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16·44	18·01	127
PRESIDENCY	Howrah	316,479	318,902	[illegible]	25		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	·30		[illegible]	[illegible]	·36	3·84	14·62	14·68	11·1	414	356	15·54	13·32	117
	24-Pergunnahs	[illegible]	[illegible]	[illegible]	117		1,721	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		11·04	[illegible]	[illegible]	2·52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14·76	128
	Nuddea	[illegible]	[illegible]	[illegible]	5		1,705	[illegible]	[illegible]	27	[illegible]	·03	·01	13·24	[illegible]	[illegible]	1·04	15·12	13·41	14·6	1,163	[illegible]	[illegible]	13·20	124
	Jessore	959,271	930,104	[illegible]	2	5	[illegible]	17	10	[illegible]	[illegible]	·01		[illegible]	[illegible]	[illegible]	·60	[illegible]	[illegible]	13·0	1,311	972	[illegible]	11·83	124
	Murshidabad	[illegible]	640,307	[illegible]			1,041	19	[illegible]	[illegible]	[illegible]			[illegible]	·12	[illegible]	1·92	[illegible]	16·56	[illegible]	[illegible]	[illegible]	19·44	17·04	133
	Khulna	[illegible]	511,546	[illegible]	16		[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]		12·12	·12	·72	1·92	15·24	12·12	13·92	[illegible]	[illegible]	15·72	14·70	104
RAJSHAHYE	Dinajpur	782,292	782,054	[illegible]	6		2,837	5	91	13	[illegible]	[illegible]		22·41	·06	·72	1·08	21·3	21·04	24·12	[illegible]	[illegible]	[illegible]	[illegible]	117
	Rajshahye	[illegible]	678,412	1,338,638	5		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	·72	·61	[illegible]	17·4	[illegible]	[illegible]	992	21·12	17·52	120
	Rungpore	1,067,701	1,030,263	[illegible]	1	5	[illegible]	21	[illegible]	[illegible]	[illegible]	·001	·02	[illegible]	·12	·30	·96	[illegible]	21·1	23·44	[illegible]	1,670	25·90	19·44	117
	Bogra	[illegible]	381,881	[illegible]	1		[illegible]	3	57	134	[illegible]	·01		[illegible]	[illegible]	[illegible]	2·40	[illegible]	[illegible]	22·2	912	77	22·25	25·56	137
	Pubna	648,311	[illegible]	1,311,728	2		[illegible]	[illegible]	[illegible]	7	[illegible]	·01		[illegible]	[illegible]	·30	·61	[illegible]	15·24	17·4	[illegible]	87	[illegible]	15·72	118
	Darjiling	[illegible]	[illegible]	156,137	1		[illegible]	173	11	[illegible]	[illegible]	·72		[illegible]	[illegible]	·81	5·29	45·12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47·70	140
	Jalpaiguri	[illegible]	276,007	[illegible]	42		[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	·45	1·20	[illegible]	[illegible]	[illegible]	874	[illegible]	34·32	32·49	131
DACCA	Dacca	[illegible]	[illegible]	[illegible]	48		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	·24		[illegible]	·31	[illegible]	3·38	[illegible]	[illegible]	[illegible]	[illegible]	1,252	[illegible]	[illegible]	117
	Furidpore	[illegible]	[illegible]	[illegible]	5	1	[illegible]	[illegible]	6	151	1,510	·14	·007	[illegible]	·12	[illegible]	[illegible]	[illegible]	[illegible]	10·3	912	[illegible]	13·32	13·91	124
	Backergunj	[illegible]	927,410	[illegible]	28	2	[illegible]	27	113	[illegible]	3,145	·12	·01	13·50	·12	[illegible]	5·15	[illegible]	15·00	[illegible]	[illegible]	[illegible]	[illegible]	9·17	143
	Mymensingh	1,553,597	[illegible]	[illegible]	127	67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	·48	·24	[illegible]	·24	·24	2·16	[illegible]	14·16	[illegible]	[illegible]	[illegible]	[illegible]	18·45	118
CHITTAGONG	Chittagong	[illegible]	[illegible]	[illegible]	27		[illegible]	9	6	[illegible]	[illegible]	·21		[illegible]	[illegible]	[illegible]	1·68	[illegible]	17·76	14·6	[illegible]	[illegible]	19·92	17·61	117
	Noakhali	415,218	[illegible]	[illegible]	39		1,315	[illegible]	54	[illegible]	[illegible]	·48		[illegible]	·48	·72	2·64	23·70	19·32	14·7	[illegible]	[illegible]	[illegible]	16·32	106
	Tipperah	[illegible]	748,445	1,519,338	1	3	[illegible]	[illegible]	64	[illegible]	[illegible]	[illegible]	·01	[illegible]	[illegible]	·45	5·64	16·32	14·76	[illegible]	815	[illegible]	[illegible]	24·07	100
PATNA	Patna	[illegible]	[illegible]	[illegible]	352	[illegible]	[illegible]	144	11	[illegible]	[illegible]	2·40	·12	17·72	1·32	[illegible]	7·44	27·9	[illegible]	51·0	[illegible]	[illegible]	15·12	15·00	129
	Gya	1,013,441	1,051,241	[illegible]	206	52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	·24	[illegible]	[illegible]	[illegible]	4·08	28·44	[illegible]	63·6	[illegible]	[illegible]	23·28	15·84	104
	Shahabad	950,250	1,014,659	[illegible]	206	15	[illegible]	50	[illegible]	64	[illegible]	1·20	[illegible]	16·2	·24	·72	3·54	[illegible]	20·04	72·0	[illegible]	[illegible]	[illegible]	27·60	102
	Mozufferpore	1,265,731	1,316,329	2,582,060	641	15	[illegible]	[illegible]	241	37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1·32	1·05	[illegible]	15·30	[illegible]	[illegible]	[illegible]	25·63	19·65	131
	Durbhunga	[illegible]	[illegible]	2,633,447	398	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	·01	[illegible]	[illegible]	[illegible]	·72	15·24	24·12	[illegible]	[illegible]	[illegible]	[illegible]	15·00	132
	Sarun	[illegible]	1,196,817	[illegible]	307	9	[illegible]	[illegible]	230	[illegible]	[illegible]	1·7	[illegible]	[illegible]	[illegible]	1·20	7·44	[illegible]	21·12	34·40	[illegible]	[illegible]	19·90	15·72	132
	Chumparun	870,627	850,981	[illegible]	2,343	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2·10	14·64	·12	[illegible]	4·73	34·76	34·80	26·76	[illegible]	[illegible]	25·44	17·28	130
BHAGULPORE	Monghyr	969,124	1,000,650	1,969,774	113		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	·24	1·44	4·92	25·80	[illegible]	40·3	[illegible]	[illegible]	41·70	35·84	119
	Bhagulpore	979,119	987,039	[illegible]	[illegible]	4	2,973	81	[illegible]	[illegible]	[illegible]	·12	·02	[illegible]	·48	[illegible]	3·00	22·0	24·48	[illegible]	1,939	[illegible]	[illegible]	21·36	103
	Purneah	937,050	911,607	[illegible]	11		2,422	6	83	57	[illegible]	·06		15·72	·03	·48	·36	[illegible]	15·69	[illegible]	[illegible]	1,771	24·00	21·4[illegible]	110
	Maldah	346,998	363,450	710,448	6		1,074	5	31	37	[illegible]	·09		18·12	·04	[illegible]	·60	19·44	18·12	13·41	[illegible]	1,199	17·76	15·60	116
	Sonthal Pergunnahs	785,330	782,763	1,568,093	24		1,405	23	[illegible]	[illegible]	1,712	·12		[illegible]	·12	·36	1·50	13·08	12·96	17·28	[illegible]	[illegible]	[illegible]	16·20	133
ORISSA	Cuttack	877,702	917,363	1,795,065	1,075	15	[illegible]	[illegible]	[illegible]	[illegible]	3,350	[illegible]	·09	[illegible]	2·61	·72	6·36	25·64	17·40	18·54	939	[illegible]	15·03	11·04	136
	Pooree	[illegible]	[illegible]	[illegible]	339	19	[illegible]	212	[illegible]	[illegible]	[illegible]	[illegible]	·24	[illegible]	[illegible]	·48	11·64	21·72	16·92	20·04	1,941	1,915	23·52	24·96	101
	Balasore	461,461	453,919	[illegible]	178	7	[illegible]	446	50	[illegible]	1,700	[illegible]	·08	7·08	5·64	·60	5·30	21·48	16·08	58·09	[illegible]	755	22·92	20·40	113
CHOTA NAGPORE	Hazaribagh	544,903	559,839	1,104,742	251	1	[illegible]	147	73	279	[illegible]	2·64	·01	19·90	[illegible]	·72	3·00	27·94	28·08	26·04	870	840	23·56	20·52	104
	Lohardugga	796,607	812,587	[illegible]	191		[illegible]	[illegible]	64	607	[illegible]	1·42		11·64	2·40	·36	4·68	[illegible]	24·38	33·56	[illegible]	1,179	30·72	25·30	118
	Singbhoom	280,878	[illegible]	[illegible]	104		547	85	[illegible]	118	[illegible]	2·16		11·64	[illegible]	·72	2·40	15·96	17·23	42·72	1,752	1,432	26·28	22·32	132
	Manbhoom	525,328	532,900	1,058,228	1,137	1	1,169	[illegible]	31	[illegible]	2,813	12·84	·01	[illegible]	[illegible]	·24	3·72	[illegible]	28·56	18·38	481	407	20·53	17·23	118
	TOTAL FOR THE PROVINCE	32,632,216	33,331,668	66,163,[illegible]	8,702	604	[illegible]	4,335	3,973	17,714	[illegible]	1·56	·12	14·10	·72	·60	3·12	20·61	19·03	21·84	1,600	1,313	34·20	29·82	114
																					61,8[illegible]	[illegible]	22·56	18·72	118

MORTALITY ACCORDING TO—

Class (10, 11)

Divisions	Districts	Deaths among— Christians	Hindus	Mahomedans	Buddhists	Other classes	Ratio per 1,000 of population per annum — Christians	Hindus	Mahomedans	Buddhists	Other classes
Burdwan	Burdwan	...	1,568	281	...	4	...	16·68	12·72	...	7·44
	Bankura	...	1,303	43	...	112	...	17·16	11·04	...	15·94
	Birbhum	...	1,107	260	...	35	...	21·48	19·08	...	31·44
	Midnapore	1	3,447	210	...	250	16·20	15·48	15·36	...	25·44
	Hughli	...	674	165	...	...	...	15·12	15·24	...	...
	Serampore	1	315	50	...	...	32·88	12·84	10·08	...	...
	Total (Hughli, including Serampore)	1	989	215	...	...	18·24	14·28	13·56	...	
Presidency	Howrah	...	634	141	...	...	...	15·12	12·72	...	...
	24-Pergunnahs	20	1,616	886	...	...	17·16	16·80	15·12	...	...
	Nuddea	5	890	1,203	...	...	9·24	14·64	15·60	...	...
	Jessore	1	901	1,411	...	...	24·36	14·04	14·52	...	...
	Murshidabad	...	973	897	...	...	...	15·38	18·24	...	...
	Khulna	1	649	790	...	...	15·96	14·76	15·72	...	...
Rajshahye	Dinajpur	...	1,502	1,676	...	3	...	25·08	23·76	...	24·72
	Rajshahye	...	430	1,726	...	...	...	17·76	19·68	...	...
	Rungpore	...	1,588	2,384	...	...	...	23·16	23·32	...	...
	Bogra	...	276	1,409	...	...	...	23·40	28·44	...	...
	Pubna	...	586	1,525	...	...	...	18·72	19·20	...	...
	Darjiling	...	518	26	43	1	...	48·96	37·92	27·48	18·72
	Jalpaiguri	...	1,068	534	...	18	...	34·80	30·72	...	47·76
Dacca	Dacca	9	1,149	1,658	...	...	12·24	16·09	15·84	...	...
	Faridpore	...	674	856	...	...	...	12·72	10·44	...	...
	Backerganj	9	960	2,175	1	...	29·01	18·36	20·52	2·40	...
	Mymensing	...	1,571	3,100	...	120	...	19·08	18·24	...	55·44
Chittagong	Chittagong	...	489	1,236	82	...	...	19·08	18·48	18·12	...
	Noakhali	...	409	1,220	...	...	...	23·16	24·00	...	...
	Tipperah	1	801	1,205	...	...	60·24	15·72	15·00	...	...
Patna	Patna	2	3,618	405	...	...	9·24	28·08	27·24	...	...
	Gya	...	4,472	564	...	...	...	25·32	29·28	...	...
	Shahabad	...	3,450	254	...	...	...	22·80	20·76	...	...
	Mozufferpore	...	3,407	432	...	...	...	18·00	16·32	...	...
	Durbhunga	...	3,553	371	...	...	...	18·24	14·40	...	...
	Sarun	...	3,6[illegible]	41[illegible]	...	...	...	21·84	18·48	...	...
	Champarun	9	4,964	695	...	...	55·8[illegible]	39·48	34·32	...	...
Bhagulpore	Monghyr	...	3,86[illegible]	39[illegible]	...	6	...	26·16	25·40	...	9·96
	Bhagulpore	...	3,469	201	...	...	...	23·5[illegible]	16·80	...	...
	Purneah	...	1,56[illegible]	1,016	...	...	...	17·40	15·72	...	...
	Maldah	...	68[illegible]	472	...	1	...	21·18	17·16	...	6·84
	Sonthal Pergunnahs	1	1,048	15[illegible]	...	510	3·84	14·76	16·68	...	10·05
Orissa	Cuttack	3	3,78[illegible]	76	...	...	15·36	25·92	17·64	...	...
	Puri	...	1,591	20	...	...	...	21·84	17·04	...	...
	Balasore	1	1,60[illegible]	38	...	1	14·64	21·72	19·08	...	2·40
Chota Nagpore	Hazaribagh	...	2,12[illegible]	258	...	195	...	27·48	29·16	...	31·32
	Lohardugga	29	1,51[illegible]	210	...	1,451	9·18	20·8	32·52	...	27·30
	Singbhum	5	57[illegible]	5	...	2	20·64	13·84	18·24	...	30·30
	Manbhum	...	2,55[illegible]	131	...	110	...	32·28	39·84	...	19·92
	TOTAL FOR THE PROVINCE	[illegible]	77,68[illegible]	53,200	126	2,806	11·52	21·6	18·60	18·96	20·16

Age — Deaths (12)

Districts	Under 1 year	1 and under 5 years	5 and under 10 years	10 and under 15 years	15 and under 20 years	20 and under 30 years	30 and under 40 years	40 and under 50 years	50 and under 60 years	60 years and upwards
Burdwan	390	116	105	71	159	245	222	207	154	210
Bankura	324	133	86	62	81	191	175	132	124	145
Birbhum	381	142	80	49	63	147	153	130	114	119
Midnapore	761	421	224	151	215	436	409	344	381	526
Hughli	143	83	42	37	42	102	122	94	65	109
Serampore	72	48	25	20	18	44	29	29	24	57
Total (Hughli, including Serampore)	215	131	67	57	60	146	151	123	89	166
Howrah	164	105	41	25	33	82	71	51	56	147
24-Pergunnahs	463	345	179	123	148	316	229	204	213	304
Nuddea	382	253	180	129	132	222	212	185	145	251
Jessore	184	243	229	172	166	312	284	253	166	304
Murshidabad	339	238	133	105	106	189	203	178	140	239
Khulna	209	191	149	54	89	125	125	133	89	223
Dinajpur	418	473	289	190	147	410	410	294	187	23[illegible]
Rajshahye	234	363	261	119	126	284	271	215	121	162
Rungpore	468	445	304	222	215	577	583	495	305	339
Bogra	278	306	179	104	107	193	173	136	100	106
Pubna	215	337	334	189	133	228	218	188	98	175
Darjiling	93	143	6	38	24	71	61	30	29	36
Jalpaiguri	371	184	95	72	100	169	21[illegible]	174	114	145
Dacca	571	384	21[illegible]	133	130	252	265	225	177	463
Faridpore	206	240	124	94	87	162	150	145	146	210
Backerganj	64[illegible]	511	352	157	134	245	23[illegible]	197	214	432
Mymensing	637	648	459	283	283	552	535	477	381	624
Chittagong	202	312	154	76	81	182	145	149	143	288
Noakhali	396	321	132	73	57	116	105	85	109	245
Tipperah	438	266	15[illegible]	84	121	225	151	128	125	335
Patna	1,218	884	244	15[illegible]	87	290	245	270	280	355
Gya	1,303	907	424	209	150	350	356	350	379	463
Shahabad	1,008	597	240	130	91	30[illegible]	297	279	198	480
Mozufferpore	197	557	300	214	171	515	522	440	410	466
Durbhunga	239	616	45[illegible]	26[illegible]	17[illegible]	454	507	333	324	488
Sarun	72[illegible]	70[illegible]	35	206	157	345	387	299	309	62[illegible]
Champarun	540	945	64[illegible]	37[illegible]	24[illegible]	651	621	569	42[illegible]	625
Monghyr	1,4[illegible]	804	27[illegible]	20[illegible]	98	299	20[illegible]	272	260	34
Bhagulpore	722	6[illegible]3	292	222	18	378	38[illegible]	327	257	311
Purneah	226	316	237	192	152	409	387	275	152	222
Maldah	14	205	116	90	73	127	114	92	62	124
Sonthal Pergunnahs	40[illegible]	23[illegible]	12[illegible]	94	8[illegible]	203	180	105	118	152
Cuttack	77[illegible]	499	28	159	233	423	411	251	291	503
Puri	351	1[illegible]1	9[illegible]	51	93	176	10[illegible]	134	129	235
Balasore	395	176	100	81	91	158	196	149	145	201
Hazaribagh	619	450	18[illegible]	128	94	205	253	204	196	254
Lohardugga	708	591	23	178	190	323	276	209	199	277
Singbhum	104	140	63	43	56	108	102	91	78	103
Manbhum	309	320	291	19[illegible]	297	373	286	211	234	295
TOTAL FOR THE PROVINCE	[illegible]0,317	17,210	9,595	5,922	5,749	12,198	11,696	9,748	8,371	12,927

Age — Ratio per 1,000 of population per annum (13)

Districts	Under 1 year	1 and under 5 years	5 and under 10 years	10 and under 15 years	15 and under 20 years	20 and under 30 years	30 and under 40 years	40 and under 50 years	50 and under 60 years	60 years and upwards
Burdwan	114·36	10·56	7·56	6·36	15·48	11·64	12·00	16·20	19·08	31·68
Bankura	141·36	13·36	6·72	6·84	10·20	12·72	14·28	22·80	21·36	31·20
Birbhum	275·28	21·24	9·48	7·20	12·12	13·96	14·38	18·00	23·52	34·00
Midnapore	146·04	18·36	7·68	7·32	11·16	10·92	13·32	19·56	31·92	46·08
Hughli	101·16	16·80	7·32	7·08	8·40	9·48	13·68	14·88	16·20	35·28
Serampore	84·28	18·60	8·88	7·80	6·84	7·44	5·88	8·40	11·28	35·04
Total (Hughli, including Serampore)	95·64	17·28	7·80	7·32	7·80	8·76	10·92	12·60	14·52	35·28
Howrah	105·60	18·48	6·24	4·80	6·84	8·04	9·00	9·96	17·96	45·48
24-Pergunnahs	115·08	19·90	8·88	8·40	11·64	10·68	9·60	13·08	23·04	32·04
Nuddea	120·24	14·88	8·52	8·88	12·96	10·04	11·16	13·42	16·34	29·52
Jessore	42·84	12·72	9·48	10·44	13·44	11·40	12·84	15·72	15·84	30·84
Murshidabad	146·04	20·16	8·94	10·32	12·84	11·04	13·92	17·16	21·72	36·84
Khulna	83·04	17·88	11·16	5·84	11·04	7·80	10·08	15·72	17·16	42·84
Dinajpur	143·16	32·52	13·56	14·76	19·20	19·08	21·72	24·24	28·08	37·56
Rajshahye	89·52	26·76	14·52	10·56	14·40	14·76	16·80	20·16	20·28	27·60
Rungpore	108·72	21·84	11·64	13·20	15·84	19·32	21·72	27·84	29·40	37·56
Bogra	215·28	38·04	17·64	17·16	21·48	18·60	19·68	24·84	32·76	34·32
Pubna	71·28	21·04	18·48	18·00	17·52	13·44	14·40	16·32	16·08	24·48
Darjiling	357·12	105·60	40·44	29·04	21·72	24·48	28·56	26·28	48·12	62·04
Jalpaiguri	261·06	32·76	12·96	14·16	28·80	29·84	29·88	35·52	40·44	58·88
Dacca	118·40	15·94	7·68	6·96	9·61	9·01	11·28	14·40	18·84	41·76
Faridpore	60·96	11·52	6·12	6·48	8·61	7·20	8·04	11·16	17·76	25·68
Backerganj	175·08	26·04	14·88	8·40	9·96	8·52	10·44	13·80	23·76	52·32
Mymensing	102·60	19·92	11·04	9·12	13·65	12·96	15·48	19·48	23·44	44·16
Chittagong	73·32	27·00	9·84	6·60	10·32	12·96	12·84	18·30	25·44	56·04
Noakhali	198·96	[illegible]54·32	12·00	9·72	9·84	10·68	11·88	14·52	28·20	68·40
Tipperah	147·72	15·24	7·92	6·12	11·40	9·84	10·68	10·80	18·48	51·24
Patna	375·56	49·80	12·6[illegible]	10·80	9·12	11·58	11·40	17·16	28·76	33·00
Gya	39[illegible]·84	41·76	17·40	11·28	12·84	11·88	13·56	17·52	31·80	45·72
Shahabad	291·84	29·04	10·56	7·56	8·52	10·80	11·88	16·92	19·80	45·36
Mozufferpore	62·56	19·68	11·04	9·96	12·24	15·0[illegible]	16·32	19·44	29·04	36·24
Durbhunga	56·8[illegible]	22·32	13·56	12·48	11·53	12·60	15·00	16·32	22·88	41·40
Sarun	162·12	33·00	12·72	10·32	12·72	11·52	13·20	15·00	26·40	35·72
Champarun	146·52	52·80	31·68	25·68	23·4[illegible]	27·0[illegible]	26·76	37·9[illegible]	48·84	78·38
Monghyr	445·56	41·04	10·92	12·36	8·64	11·16	10·44	15·96	26·16	36·24
Bhagulpore	235·08	35·04	11·16	12·60	15·18	18·44	13·12	20·52	28·16	38·88
Purneah	71·64	17·76	9·84	12·00	13·32	15·72	15·04	17·52	21·72	36·48
Maldah	89·61	21·88	12·72	14·64	14·52	12·96	13·56	16·44	19·68	31·44
Sonthal Pergunnahs	153·[illegible]3	12·60	5·28	6·24	9·36	10·56	10·20	9·72	18·00	23·64
Cuttack	346·96	25·28	12·36	9·54	20·76	16·68	20·52	21·12	30·24	53·52
Puri	284·76	18·60	9·12	6·84	16·08	13·32	15·24	19·96	26·16	57·00
Balasore	229·50	13·38	8·40	6·96	14·88	13·64	17·76	19·32	31·68	48·72
Hazaribagh	213·48	33·12	12·00	13·05	14·88	13·56	19·08	25·64	42·48	70·08
Lohardugga	199·44	29·64	10·32	11·76	19·64	14·52	14·76	18·96	31·32	47·12
Singbhum	119·16	22·08	8·04	8·16	14·16	13·92	15·12	22·80	34·68	51·96
Manbhum	129·48	27·48	19·20	21·36	39·24	25·52	23·40	29·40	49·68	63·64
TOTAL FOR THE PROVINCE	158·28	23·20	11·52	10·44	13·68	13·08	14·64	18·24	25·68	41·84

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 1st October 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

MEMORANDUM.

The returns from the principal Municipalities in Bengal presented, during the week ending 15th September 1888, the following results :—

1. That births and deaths were recorded in these Municipalities at the rates respectively of 21·1 and 29·4 per 1,000 of population, as opposed to 22·6 and 35·7 per 1,000 in the preceding week, indicating a large reduction in the registration of both the events, particularly of deaths.

2. That these events were returned in the highest proportions from the following Municipalities :—

Births.	Ratio per *mille*	*Deaths.*	Ratio per *mille.*
Monghyr	46·1	Gya	99·1
Darjiling	39·1	Arrah	41·9
Gya	38·9	Serampore	41·2
Jessore	30·6	Monghyr	39·8
Bhagulpore	29·0	Suburbs of Calcutta	33·3
		Bhagulpore	31·7
		Beauleah	31·5
		Patna	30·8
		Midnapore	29·4

3. That, in comparison with the results of the preceding week, there was a considerable reduction in the death-rates from cholera, fever and the maladies coming under the head of "Other causes," and only small differences in the casualty-rates from the rest of the diseases as will be seen from the table given below :—

	Ratio per *mille* during the weeks ending— 15th September 1888	8th September 1888.
Cholera	5·7	8·4
Small-pox	·1	·03
Fever	10·5	12·7
Bowel-complaints	3·0	3·7
Injury	·8	·5
Other causes	9·3	10·3

4. That while no Municipality suffered much from small-pox or presented a large number of casualties from injury, the following returned conspicuously high death-rates from the rest of the diseases specified in the above table :—

Cholera.	Ratio per *mille*	*Fever*	Ratio per *mille.*	*Bowel-complaints.*	Ratio per *mille*	*Other causes.*	Ratio per *mille.*
Arrah	39·3	Gya	29·4	Monghyr	11·8	Gya	39·6
Gya	28·0	Beauleah	26·3			Midnapore	15·5
Chupra	16·6	Purneah	20·8			Monghyr	14·5
Serampore	13·7					Serampore	13·7
Patna	10·4					Bhagulpore	10·9
Suburbs of Calcutta	2·1					Suburbs of Calcutta	10·3

5. That the mortality referable to *Sex*, *Class* and *Age* stood as exhibited below :—

According to Sex.	Ratio per *mille.*
Males	32·1
Females	26·3
Ratio of male deaths to every 100 female deaths	138

According to Class.	Ratio per *mille.*
Christians	21·7
Hindus	30·8
Mahomedans	26·5

According to Age.	Ratio per *mille.*
Under 1 year	257·2
1 and under 5 years	59·7
5 „ 10 „	16·7
10 „ 15 „	14·9
15 „ 20 „	19·3
20 „ 30 „	19·6
30 „ 40 „	17·1
40 „ 50 „	19·5
50 „ 60 „	16·9
60 years and upwards	58·8

W. H. GREGG, *Dip. Publ. Health, Camb*,
Offg. Sanitary Commissioner for Bengal.

The 1*st October* 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.								DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	6	3	9	9·1	4·6	13·7	200	.	.	10	1		2	13	..	...	15·3	1·5	...	3·0	19·8	27·5	6	7	17·3	22·7	85
Midnapore ...	Midnapore ...	16,927	16,633	33,560	3	6	9	4·6	9·3	13·9	50	2	...	5	2	...	10	19	3·1	.	7·7	3·1	.	15·5	29·4	7·7	7	12	21·5	37·5	58
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	7	4	11	9·4	5·4	14·8	175	...	...	6	2	1	1	10	..	..	8·1	2·7	1·3	1·3	13·4	24·2	5	5	13·5	13·2	100
Serampore ...	Serampore ...	13,559	12,937	26,496	6	3	9	11·8	5·9	17·7	200	7	...	4	3	...	7	21	13·7	...	7·8	5·9		13·7	41·2	29·4	15	6	57·5	24·1	250
	Utterpara ...	3,046	2,464	5,510	1	2	3	9·4	18·9	28·3	50		...	1	...	.	...	1	.	...	9·4	...	...	...	9·4	9·4	1	...	17·0	..	No female death.
Howrah ...	Howrah ...	53,153	37,660	90,813	22	17	39	12·6	9·7	22·3	129	1	...	11	8	...	4	24	·6	...	6·3	4·6	...	2·3	13·8	28·6	17	7	16·6	9·7	242
	Bali ...	7,836	6,979	14,815	2	3	5	7·0	10·5	17·5	66	2	.	1	..	..	2	5	7·0	..	3·5	..	..	7·0	17·5	17·5	3	2	19·9	14·9	150
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	46	43	89	9·5	8·9	18·4	106	10	1	61	31	8	50	161	2·1	·2	12·6	6·4	1·7	10·3	33·3	37·4	163	58	36·4	28·9	177
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	1	2	3	1·9	3·7	5·6	50	...	..	2	..	...	3	5		...	3·7	...	...	5·6	9·4	11·4	3	2	11·7	7·3	150
	Ranaghat ...	4,028	4,655	8,683	1	.	1	6·0	...	6·0	No female birth.	..	...	...	.	...			...	...		.	...	...	...	......	...	...	...	.	....
	Santipore ...	13,708	15,979	29,687	5	1	6	8·7	1·7	10·5	500	...	...	4	1	..	1	6	...	...	7·0	1·7	..	1·7	10·5	5·2	2	4	7·6	13·0	50
Jessore ...	Jessore ...	4,830	3,668	8,495	4	1	5	24·5	6·1	30·6	400	..	...	1	...	.	1	2	..	...	6·1	...	..	6·1	12·2	30·6	1	1	10·8	14·2	100
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	7	4	11	18·4	10·5	28·9	175	...	...	10		1	1	12	...	...	26·3	..	2·6	2·6	31·5	18·4	9	3	45·5	17·3	300
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	5	1	6	32·6	6·5	39·1	500		...	1	1	...	...	2	...	...	6·5	6·5	...	..	13·0	26·1	1	1	10·3	17·6	100
Dacca ...	Dacca ...	42,782	37,379	80,161	17	11	28	11·0	7·1	15·2	154	1	...	4	2	1	12	20	·6	..	2·6	1·3	·6	7·8	13·0	13·2	9	11	10·9	15·3	81
	Narainganj ...	7,605	4,956	12,561	2	4	6	8·3	16·5	24·8	50	...	...	1	1	...	1	3	...	..	4·1	4·1	...	4·1	12·4	24·8	2	1	13·7	10·5	200
Chittagong ...	Chittagong ...	13,340	8,790	22,130	3	3	6	7·0	7·0	14·1	100	.	...	2	.		1	3	..	...	4·7	...	...	2·3	7·0	28·2	3	...	11·7	...	No female death.
Tipperah ...	Comillah ...	8,153	5,353	13,506	2	3	5	7·7	11·5	19·2	66	..	...	4	..	...		4	...	..	15·4	...	...	..	15·4	38·5	3	1	19·1	9·7	300
Patna ...	Patna City ...	78,762	81,475	160,237	39	22	61	12·6	7·1	19·7	177	32	...	25	10	2	26	95	10·4	.	8·1	3·2	·6	8·4	30·8	41·5	42	53	27·7	63·8	79
Gya ...	Gya ...	38,290	37,831	76,121	29	28	57	19·8	19·1	38·9	103	41	...	43		3	58	145	28·0	...	29·4	...	2·0	39·6	99·1	110·0	100	45	135·8	61·9	222
Shahabad ...	Arrah ...	20,960	22,505	43,465	14	8	22	16·7	9·6	26·3	175	27	...	5	1	1	1	35	32·3	...	6·0	1·2	1·2	1·2	41·9	90·9	13	22	32·3	50·3	59
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	2	2	4	2·4	2·4	4·9	100	...	...	...	...	...	6	6	...	...	...	...	...	7·3	7·3	17·0	4	2	9·0	5·3	200
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	16	10	26	12·6	7·9	20·5	160	2	1	18	...	...	10	31	1·5	·8	14·1	...	...	7·9	24·4	32·0	18	13	27·7	20·9	138
Sarun ...	Chupra ...	26,044	27,205	53,249	7	7	14	6·8	6·8	13·7	100	17	...	2	...	1	8	28	16·6	...	1·9	...	1·0	7·8	27·3	50·8	12	16	24·6	30·6	75
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	20	12	32	18·1	10·9	29·0	166	2	...	21	...	...	12	35	1·8	...	19·0	...	...	10·9	31·7	33·5	21	14	36·8	26·2	150
Monghyr ...	Monghyr ...	28,154	29,366	57,520	21	30	51	19·0	27·1	46·1	70	...	...	14	13	1	16	44	...	...	12·6	11·8	·9	14·5	39·8	21·7	23	21	42·5	37·2	109
Purneah ...	Purneah ...	8,463	6,553	15,016	6	1	7	20·8	3·4	24·3	600	...	.	6	1	...	1	8	...	...	20·8	3·4	...	3·4	27·7	17·3	6	2	36·9	15·8	300
Puri ...	Puri ...	13,247	11,537	24,784	9	2	11	18·9	4·2	23·1	450	...	...	4	...	1	4	9	...	...	8·4	...	2·1	8·4	18·9	21·0	5	4	19·6	18·0	125
	TOTAL ...	702,860	619,691	1,322,551	303	233	536	11·9	9·2	21·1	130	144	2	266	77	20	238	747	5·7	·1	10·5	3·0	·8	9·3	29·4	35·7	434	313	32·1	26·3	138

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

Districts.	Names of Municipalities.	13. Mortality according to Class: Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	14. Ratio per 1,000 of population per annum: Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.
Burdwan ...	Burdwan	...	9	4	..	...	...	19·8	20·3	...	...
Midnapore ...	Midnapore	...	17	2	...	...	...	34·1	14·4	...	...
Hughli ...	Hughli and Chinsurah	...	7	3	...	...	...	11·5	22·9	...	...
Serampore ...	Serampore	...	20	1	...	...	...	41·2	55·4	...	...
	Utterpara	...	1	...	...	...	...	9·7	...	...	...
Howrah ...	Howrah	...	15	9	...	...	...	11·4	22·8	...	...
	Bali	...	5	...	...	...	...	19·4	...	...	...
24-Pergunnahs ...	Suburbs of Calcutta	4	107	50	...	...	51·4	37·1	26·9	...	...
Nuddea ...	Kishnaghur	...	2	3	...	...	...	5·5	15·8	...	...
	Ranaghat	...	...	...	...	...	...	...	...	...	...
	Santipore	...	5	1	...	...	...	12·6	5·8	...	...
Jessore ...	Jessore	...	1	1	...	...	...	11·5	13·6	...	...
Rajshahye ...	Rampore Beauleah	...	2	10	...	...	...	10·5	53·0	...	...
Darjiling ...	Darjiling	...	2	...	...	...	...	22·6	...	...	...
Dacca ...	Dacca	...	12	8	...	...	...	15·5	10·6	...	..
	Naraingunj	...	2	1	...	...	...	16·4	8·4	...	...
Chittagong ...	Chittagong	...	1	2	...	..	...	9·0	6·8	...	...
Tipperah ...	Comillah	...	1	3	...	...	..	8·7	21·1		...
Patna ...	Patna City	1	79	15	...	...	146·5	34·5	19·1	...	...
Gya ...	Gya	...	98	47	...	...	...	84·9	152·0	...	...
Shahabad ...	Arrah	...	32	3	...	...	...	53·7	12·6	...	..
Mozufferpore ...	Mozufferpore	...	5	1	...	...	...	8·7	4·2	...	...
Durbhanga ...	Durbhanga	...	23	8	...	...	...	24·7	23·6	...	...
Saran ...	Chupra	...	18	10	...	...	...	22·8	43·3	...	...
Bhagulpore ...	Bhagulpore	...	30	5	...	...	...	39·2	15·1	...	...
Monghyr ...	Monghyr	...	35	9	...	...	...	40·7	37·2	...	...
Purneah ...	Purneah	...	4	4	...	...	..	23·7	36·7	...	...
Puri ...	Puri	...	9	...	...	...	...	19·1	...	...	...
	Total ...	5	542	200	...	...	21·7	30·8	26·5	...	...

Names of Municipalities.	15. Mortality according to Age: Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16. Ratio per 1,000 of population per annum: Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	2	1	...	1	1	2	1	2	1	2	157·6	23·1	......	20·7	16·6	13·1	7·5	23·5	21·2	70·2
Midnapore	3	1	...	1	...	2	2	4	...	6	210·0	22·1	......	17·1	......	14·2	18·8	55·8	......	170·5
Hughli and Chinsurah	3	...	...	...	...	1	1	3	...	2	165·4	......	......	......	......	6·8	7·4	30·3	......	41·5
Serampore	4	3	4	2	...	4	1	1	...	2	293·0	86·4	82·8	46·8	......	38·6	10·5	15·4	......	74·8
Utterpara	...	...	...	...	...	...	1	...	...	...	......	......	......	......	......	......	49·0	......	......	......
Howrah	6	2	1	1	...	4	3	2	...	5	151·2	15·8	8·3	7·9	......	9·2	8·1	8·8	......	69·8
Bali	1	...	...	..	1	1	...	...	...	2	143·6	......	......	......	39·0	15·5	......	......	......	142·1
Suburbs of Calcutta	38	18	4	5	11	21	25	15	8	16	414·7	57·9	10·5	14·5	31·7	18·3	25·2	23·9	21·5	58·4
Kishnaghur	...	1	...	...	1	...	...	1	1	1	......	21·1	......	......	25·3	......	......	15·9	24·7	30·1
Ranaghat	...	...	...	...	...	...	...	...	...	...	......	......	......	......	......	......	......	......	......	......
Santipore	...	1	...	...	...	1	1	1	...	2	......	17·9	......	......	......	10·6	12·0	14·8	......	53·0
Jessore	...	...	...	...	...	2	...	...	...	...	......	......	......	......	......	51·6	......	......	......	......
Rampore Beauleah	3	2	1	1	1	1	...	1	1	1	381·3	73·3	25·0	23·9	31·3	12·5	......	21·2	41·9	54·0
Darjiling	1	...	...	.	...	...	..	1	...	...	429·8	......	......	......	......	......	......	75·1	......	......
Dacca	4	1	3	1	1	5	...	...	...	2	109·6	7·1	15·7	6·5	7·1	27·2	......	......	......	18·7
Naraingunj	2	...	...	...	...	..	1	...	...	...	372·8	......	......	......	......	......	24·3	......	......	......
Chittagong	...	...	2	...	...	1	...	...	...	...	......	......	41·6	......	......	11·2	......	......	......	......
Comillah	1	1	...	...	1	..	..	...	...	1	175·1	39·8	......	......	21·5	......	......	......	......	76·8
Patna City	14	13	10	7	5	13	10	5	5	13	168·9	46·3	30·9	25·3	23·3	23·5	22·4	13·8	18·4	48·9
Gya	30	45	3	2	5	13	14	13	5	15	832·4	368·3	22·3	15·5	49·6	45·9	57·2	69·2	39·6	151·5
Arrah	2	9	3	1	1	5	5	2	2	5	80·7	105·6	30·4	11·8	16·5	33·1	40·4	22·2	33·6	90·2
Mozufferpore	2	1	...	1	...	...	...	...	1	1	108·9	12·9	......	13·1	......	......	......	......	16·0	21·4
Durbhanga	10	4	2	2	1	3	...	3	3	3	834·0	27·3	13·3	18·7	12·9	11·7	......	21·0	35·6	48·8
Chupra	3	8	3	3	...	5	3	...	1	2	108·0	78·3	25·3	30·2	......	27·3	19·3	......	12·3	29·9
Bhagulpore	8	6	2	...	4	5	1	...	2	7	348·4	57·6	17·7	......	49·7	23·8	5·6	......	24·4	101·1
Monghyr	10	8	4	3	2	8	2	4	...	3	350·2	66·8	29·5	27·2	27·5	40·2	11·7	32·6	......	43·5
Purneah	3	...	...	1	1	1	2	...	...	...	551·2	......	......	43·5	52·3	15·8	36·4	......	......	......
Puri	...	1	...	1	1	1	2	2	1	...	......	28·9	......	27·7	28·9	9·8	25·7	31·3	23·3	......
Total ...	150	126	42	33	37	102	75	60	31	91	257·2	59·7	16·7	14·9	19·3	19·6	17·1	19·5	16·9	58·8

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 1st October 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Offg. Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 29th September 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 29th September 1888.			Week ending Saturday, the 1st October 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	992	1,92,600	3,132	609	1,34,412	[illegible]
Jute	280	1,11,725	2,002	140	63,130	1,149
Firewood	188	83,875	1,281	184	94,850	1,478
Other articles	1,078	2,27,200	3,595	703	1,19,725	1,947
Total ...	2,538	6,15,400	10,010	1,636	4,12,117	6,480

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 22nd September 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	*231,332	*2,36,187 2 0	24,30,533 30	4,81,087 14 0	15,588 4 2	7,32,813 4 2	63,515½	87,523½	151,039
Or per mile of railway ...	......	156 0 5	......	317 12 6	10 4 9	484 1 8	......	......	......
For previous 11 weeks of half-year	2,454,678	24,03,699 7 0	2,58,11,209 10	48,17,023 5 2	1,71,531 0 11	73,92,253 13 1	701,839½	843,351½	1,545,191
Total for 12 weeks ...	2,686,000	26,39,886 9 0	2,82,47,743 0	52,98,061 3 2	1,87,119 5 1	81,25,067 1 3	765,354½	930,875½	1,696,230
Comparison.									
Total for corresponding week of previous year	264,721½	2,64,345 10 3	20,95,521 10	4,74,500 4 6	14,747 4 6	7,53,593 3 3	64,983	73,056	138,039
Per mile of railway corresponding week of previous year	......	174 0 5	......	312 6 0	9 11 4	496 1 9	......	......	......
Total to corresponding date of previous year	3,015,023½	29,97,030 6 6	2,63,94,304 0	55,17,856 13 3	2,00,635 14 9	87,15,523 2 6	796,224	989,008	1,785,232

* The decrease in coaching traffic is due to figures for the corresponding period having included the Doorga Poojah traffic.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	7,53,593	496	1,513¾	7,32,813	484	1,519	2,11,23,073	556	1,513¾	1,98,27,345	524	......	12,95,728

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 22nd September 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,172	8,423 5 0	19,406 0	1,505 15 0	21 11 0	9,950 15 0	2,440	524	2,964
Or per mile of railway	283	147 4 2	339 20	26 5 3	0 6 1	173 15 6	......	......	......
For previous 11 weeks of half-year	104,124	49,877 13 0	3,76,816 0	24,029 1 0	274 3 3	74,181 1 3	19,091	8,454	27,545
Total for 12 weeks ...	120,296	58,301 2 0	3,96,222 0	25,535 0 0	295 14 3	84,132 0 3	21,531	8,978	30,509
Comparison.									
Total for corresponding week of previous year	18,884½	10,717 15 3	33,793 20	2,315 11 0	28 14 3	13,062 8 6	1,899	609	2,508
Per mile of railway corresponding week of previous year ...	330	187 6 0	591 0	40 7 9	0 8 1	228 5 10	......	......	......
Total to corresponding date of previous year	191,526	1,05,001 9 1	4,67,847 30	29,033 0 0	411 4 0	1,35,375 13 1	22,932	8,144	31,076

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	15,063	228	57½	9,951	174	57½	2,54,530	178	57½	[illegible]	140	......	53,895

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 22nd September 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,677	451 13 0	6,275 0	135 6 0	3 0 0	590 3 0	437½	56	493½
Or per mile of railway	......	37 10 5	... ..	11 4 6	0 4 0	49 2 11	......	......	......
For previous 11 weeks of half-year	31,642	5,242 5 0	70,357 20	1,618 10 0	57 1 9	6,918 0 9	4,388½	1,274	5,662½
Total for 12 weeks ...	34,319	5,694 2 0	76,632 20	1,754 0 0	60 1 9	7,508 3 9	4,826	1,330	6,156
Comparison.									
Total for corresponding week of previous year	3,016	517 9 9	8,247 30	150 7 0	6 10 6	674 11 3	426	67	493
Per mile of railway corresponding week of previous year ..	......	43 2 2	......	12 8 7	0 8 10	56 3 7	......	......	......
Total to corresponding date of previous year	36,215	6,020 2 2	1,01,869 30	2,281 8 0	86 6 9	8,388 0 11	4,976	1,081	6,057

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	675	56	12	590	49	12	22,989	77	12	23,268	78	279	......

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 22nd September 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	4,319	2,678 13 0	78,665 30	2,195 12 0	52 9 0	4,927 2 0	684	929½	1,613½
Or per mile of railway .. .	......	35 13 0	.	29 5 8	0 11 3	65 13 11	.....	... ..	......
For previous 11 weeks of half-year	50,446	33,993 11 0	9,84,899 20	27,663 12 9	1,324 7 9	62,981 15 6	7,125	11,443½	18,568½
Total for 12 weeks ...	54,765	36,672 8 0	10,63,565 10	29,859 8 9	1,377 0 9	67,909 1 6	7,809	12,372½	20,181½
Comparison.									
Total for corresponding week of previous year	5,068	3,914 3 10	1,16,569 0	4,873 3 0	85 5 0	8,872 11 10	747	2,042	2,789
Per mile of railway corresponding week of previous year	......	52 5 3	......	65 2 5	1 2 3	118 9 11	... ..	......	. ..
Total to corresponding date of previous year	59,061	46,785 11 3	11,76,196 10	43,460 5 0	1,182 15 0	91,428 15 3	8,744	18,207	26,951

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	8,873	119	74½	4,927	66	74½	2,05,431	110	74½	1,73,557	93	......	31,874

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 22nd September 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,956	3,952 5 0	8,025 30	109 12 0	5 9 0	4,067 10 0	933	35	968
Or per mile of railway ...	......	177 10 1	......	4 14 11	0 4 0	182 13 0	......	......	......
For previous 11 weeks of half-year ...	191,902	47,684 1 0	33,703 30	1,197 3 0	72 3 9	48,953 7 9	10,241	495	10,736
Total for 12 weeks ...	207,948	51,636 6 0	36,729 20	1,306 15 0	77 12 9	53,021 1 9	11,174	530	11,704
Comparison.									
Total for corresponding week of previous year ...	20,940½	5,341 0 10	2,995 10	113 14 0	8 8 0	5,463 6 10	926	42	968
Per mile of railway corresponding week of previous year ...	......	240 0 9	......	5 1 11	0 6 1	245 8 9	......	......	......
Total to corresponding date of previous year ...	210,704	50,676 7 9	48,000 10	1,726 10 0	61 13 3	52,464 15 0	11,557	531	12,088

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	5,463	246	22½	4,068	183	22½	1,29,535	233	22½	1,37,251	247	7,716	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 15th September 1888, on 673 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	103,925	52,000 0 0	*9,67,849 0	*2,30,262 0 0	20,817 0 0	3,03,079 0 0	22,325	31,174	53,499
Or per mile of railway ...	154	77 0 0	1,438 0	342 0 0	†8 0 0	427 0 0	......	......	......
For previous 10 weeks of half-year ...	1,193,921	4,99,994 0 0	52,92,843 0	12,94,886 0 0	1,36,615 0 0	19,31,495 0 0	220,271	222,179	442,450
Total for 11 weeks ...	1,297,846	5,51,994 0 0	62,60,692 0	15,25,148 0 0	1,57,432 0 0	22,34,574 0 0	242,596	253,353	495,949
Comparison.									
Total for corresponding week of previous year ...	109,139	56,274 0 0	6,23,628 0	1,58,366 0 0	13,291 0 0	2,27,931 0 0	21,619	*25,051	46,670
Per mile of railway corresponding period of previous year ...	169	87 0 0	967 0	240 0 0	†2 0 0	335 0 0	......	......	......
Total to corresponding date of previous year ...	1,296,977	5,49,537 0 0	58,81,447 0	12,32,051 0 0	1,27,360 0 0	19,08,948 0 0	234,559	237,586	472,145

* Including 1,00,000 maunds and Rs. 8,000 ballast trains.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
646	2,87,981	353	673	3,03,079	450	646	37,55,952	243	674	*41,80,047	258	4,24,095	......

* Audited up to 30th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 15th September 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried	Receipts.			Coaching	Merchandise.	Total
		Rs A P.	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	22,630	7,100 0 0	83,318 0	8,863 0 0	152 0 0	16 115 0 0	3,812	1 860	5,672
Or per mile of railway	181	57 0 0	667 0	71 0 0	1 0 0	129 0 0			
For previous 10 weeks of half-year	*251,770	74,829 0 0	*4,27,742 0	41,486 0 0	943 0 0	*1,17 258 0 0	38 215	18,633	56,848
Total for 11 weeks	274 400	81,929 0 0	5,11 060 0	50 349 0 0	1,095 0 0	1,33 373 0 0	42,027	20,493	62,520
Comparison									
Total for corresponding week of previous year	22,658	6,779 0 0	51,064 0	5,108 0 0	40 0 0	11,027 0 0	3 530	1,890	5,420
Per mile of railway corresponding period of previous year	181	54 0 0	413 0	41 0 0	.	95 0 0			.. ..
Total to corresponding date of previous year	273,128	86,543 0 0	4 72,338 0	43,584 0 0	1,468 0 0	1 31,595 0 0	41 561	19,599	61,160

* Audited up to 28th July 1888

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888			Total increase in 1888-89	Total decrease in 1888-89.
Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs		Rs	Rs		Rs	Rs		Rs	Rs	Rs	Rs
125	11 927	[illegible]	125	[illegible]	120	125	3 07 581	102	125	*2 95,174	98		12,407

* Audited up to 28th July 1888

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 15th September 1888, on 86 miles open.

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train miles run		
	No. of passengers	Coaching receipts	Weight carried	Receipts			Coaching	Merchandise	Total.
		Rs A P	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	11 [illegible]	3 4[illegible] 0 0	37,846 0	2 1[illegible] 0 0	480 0 0	6 116 0 0	2 783	322	3 105
Or per mile of railway	130	40 0 0	411 0	45 0 0	6 0 0	71 0 0			
For previous 10 weeks of half year	1[illegible],360	39 [illegible] 0 0	1 19 [illegible] 0	6 695 0 0	1,993 0 0	48 151 0 0	25 104	5 943	31,047
Total for 11 weeks	135 [illegible]	42 [illegible] 0 0	1 54 71[illegible] 0	8,859 0 0	2 473 0 0	54 [illegible]67 0 0	27 887	6 265	34 152
Comparison									
Total for corresponding week of previous year	11 985	2 280 0 0	9 447 0	1 109 0 0	178 0 0	3,587 0 0	2,630	325	2,964
Per mile of railway corresponding period of previous year	139	27 0 0	110 0	13 0 0	2 0 0	42 0 0			
Total to corresponding date of previous year	120 786	38 06[illegible] 0 0	1 18,[illegible]56 0	8 981 0 0	2 155 0 0	49,205 0 0	29 875	4,735	34,610

FINANCIAL YEAR

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 17th September 1887			Receipts for week ending 15th September 1888			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888-89	Total decrease in 1888-89
Mean mileage worked.	Receipts	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs.		Rs	Rs.		Rs.	Rs		Rs	Rs	Rs	Rs.
86	3,[illegible]7	42	86	6,118	71	86	1,14,964	56	86	*1,19,132	58	4,168	.

* Audited up to week ending 30th June 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 15th September 1888, on 38 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,043	959 0 0	24,636 0	2,057 0 0	35 0 0	3,051 0 0	532	532	1,064
Or per mile of railway ..	77	25 0 0	648 0	54 0 0	1 0 0	80 0 0	......	......	......
For previous 10 weeks of half-year	27,248	8,979 0 0	1,96,045 0	14,300 0 0	219 0 0	23,498 0 0	5,446	5,446	10,892
Total for 11 weeks ...	30,191	9,938 0 0	2,20,681 0	16,357 0 0	254 0 0	26,549 0 0	5,978	5,978	11,956
Comparison.									
Total for corresponding week of previous year ..	2,490	868 0 0	8,865 0	288 0 0	19 0 0	1,175 0 0	546	546	1,092
Per mile of railway corresponding period of previous year .	64	22 0 0	227 0	7 0 0	1 0 0	30 0 0	......	......	......
Total to corresponding date of previous year	36,411	12,669 0 0	90,106 0	7,452 0 0	518 0 0	20,639 0 0	6,538	6,162	12,700

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 17th September 1887.			Receipts for week ending 15th September 1888.			Total receipts from 1st April 1887 to 17th September 1887.			Total receipts from 1st April 1888 to 15th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,175	30	38	3,051	80	39	60,716	65	39	*70,586	75	9,870	......

* Audited up to week ending 30th June 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 22nd September 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,246	1,055 0 0	19,209 0	1,234 0 0	8 0 0	2,295 0 0	500	254	763
Or per mile of railway	119	39 0 0	705 0	45 0 0	......	84 0 0	......	......	......
For previous 11 weeks of half-year	30,327	10,911 0 0	99,729 0	6,375 0 0	1,395 0 0	18,683 0 0	5,599	3,612	9,211
Total for 12 weeks ...	33,573	11,964 0 0	1,18,938 0	7,609 0 0	1,405 0 0	20,978 0 0	6,108	3,866	9,974
Comparison.									
Total for corresponding week of previous year	3,772	1,398 0 0	16,361 0	1,020 0 0	1 0 0	2,419 0 0	509	472	981
Per mile of railway corresponding week of previous year .	138	51 0 0	600 0	38 0 0	......	89 0 0	......	......	......
Total to corresponding date of previous year	38,596	13,522 0 0	1,11,483 0	7,189 0 0	246 0 0	20,957 0 0	6,290	3,902	10,192

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	2,419	89	27½	2,295	84	27½	44,253	65	27½	47,183	69	2,930	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 22nd September 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open ...	34,466	11,221 0 0	1,18,532 0	9,022 0 0	2,584 0 0	23,827 0 0	4,490	5,252	9,742
Or per mile of railway ...	133	43 0 0	458 0 0	35 0 0	3 0 0	81 0 0*	......	......	......
For previous 11 weeks of half-year ...	3,75,658	1,17,560 0 0	14,31,859 0	1,08,524 0 0	27,514 0 0	2,53,598 0 0	57,606	54,063	111,669
Total for 12 weeks ...	410,124	1,28,781 0 0	15,50,391 0	1,17,546 0 0	30,098 0 0	2,76,425 0 0	62,096	59,315	121,411
COMPARISON.									
Total for corresponding week of previous year on 249 miles open	33,693	12,302 0 0	1,03,631 0	10,755 0 0	4,403 0 0	27,460 0 0	5,594	4,728	10,322
Per mile of railway corresponding week of previous year ...	135	49 0 0	416 0	43 0 0	9 0 0	101 0 0*	......	......	......
Total to corresponding date of previous year ...	473,982	1,66,789 0 0	3,93,500 0	1,27,327 0 0	40,406 0 0	3,34,522 0 0	77,817	55,948	133,765

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
49	7,460	110	259	22,827	88	240	7,89,855	127	259	7,70,080	119	....	19,775

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 15th September 1888	12,864
Corresponding week last year	11,643
Increase	1,221
Receipts from 1st July to 15th September 1888	1,25,543
From 1st July to 17th September 1887	1,03,470
Increase	22,073
	Miles.
Miles open week ending 15th September 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 15th September 1888	252 3 9
Corresponding week last year	228 4 10
Increase	23 14 11

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 22nd September 1888	11,609
Corresponding week last year	12,683
Decrease	1,074
Receipts from 1st July to 22nd September 1888	1,45,428
From 1st July to 24th September 1887	1,16,153
Increase	29,275
	Miles.
Miles open week ending 22nd September 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 22nd September 1888	227 10 0
Corresponding week last year	248 10 11
Decrease	21 0 11

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SUPPLEMENT TO

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OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.

FLOODS IN THE 24-PERGUNNAHS AND NUDDEA DISTRICTS.

THE following reports from the Commissioner of the Presidency Division with their enclosures are published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secy. to the Govt. of Bengal.

Dated the 6th October 1888.

No. 47MG, dated Calcutta, the 26th September 1888.

From—A. SMITH, ESQ., Commissioner of the Presidency Division,

To—The Secretary to the Government of Bengal, Revenue Department.

I HAVE the honour to submit herewith a memorial presented to His Honour the Lieutenant-Governor by some Catholic Missionaries, regarding the distressed condition of the people in the southern portion of the 24-Pergunnahs owing to the recent floods. A copy of letter No. 551G, dated the 19th instant, from the Collector of the 24-Pergunnahs, reporting on the above memorial, is also submitted herewith for the information of the Government.

2. I agree with the Collector in thinking that no aid is now required, and, from knowledge of the resources of the locality concerned, I do not think it likely any will be required when the floods subside.

3. The further reports promised, and the result of the examination with the Executive Engineer of the embankment, with a view to the provision of sluices where needed, will be submitted when received.

No. 551G, dated Alipore, the 19th September 1888.

From—C. W. Bolton, Esq., Officiating Collector of the 24-Pergunnahs,

To—The Commissioner of the Presidency Division.

I have the honour to submit the following report on the memorial* regarding the recent floods in the southern portion of this district, submitted to His Honour the Lieutenant-Governor by certain Roman Catholic Missionaries, which was forwarded to me with your memorandum No. 14Ct.M.G., dated the 8th instant.

* Herewith returned.

2. I had intended, before the receipt of the memorial, to travel to Diamond Harbour by road and return by train, in order to obtain a general idea of the extent of damage done by the floods, and had not started earlier because it would have been useless to do so while the crops were completely submerged. The actual damage done could only be ascertained after the subsidence of the water, when the proportion of the crops which had survived the long immersion could be seen. I accordingly proceeded to Diamond Harbour by road on the 11th instant. The road passes through low and comparatively high country, and a fair indication of the effects of the floods in the Diamond Harbour sub-division may be obtained from the state of tracts traversed. As far as Bistupur, 12 miles from Alipore, I found that the crops had suffered to some extent, but not very badly, while in places they were looking extremely well. At Bistupur itself great damage had been done, and I was informed that some villages to the north-east were equally bad. Between Bistupur and Rajarhat some villages had lost the greater part of their crops, while others had suffered less. From Rajarhat to Sarisha, however, the destruction appeared general, the whole country being under water; but a small portion of the crops might even here survive on further subsidence of the water. From Sarisha to Diamond Harbour the crops looked well, though backward, the country being high on account of its proximity to the river. In the neighbourhood of Diamond Harbour itself there was a very large expanse of green crops. On my journey back by rail, I found the country under water from about two miles out of Diamond Harbour to Mograhat. North of Mograhat for four or five miles, there was much water in parts, but after that the country presented the ordinary aspect at this season of the year, and the crops looked well. The portion of the sub-division which has suffered most from the floods is, therefore, the tract lying between two parallel lines from Rajarhat to Sarisha, running in a direction between east and south-east as far as the Sunderbuns. What the precise extent of the destruction in this tract has been it is still impossible to say, but I fear that hardly one-fourth of the crop has escaped. Until the water has subsided another foot or more no correct estimate of the loss can be formed, and I propose accordingly to have another local enquiry made at the end of this month, and shall then submit a further report. After that, again, another enquiry will be made when the rains have completely ceased, in order to estimate finally the probable outturn of the crops. Although outside the above tract there are excellent crops, I was struck by the backward condition of the plants, and I fear that unless the rains are later than usual, even these crops will not yield a good outturn, owing to the delay in the breaking of the rains and the short fall for some weeks after the plants were transplanted late, and they are not as far advanced as usual at this time of the year. Their backwardness has no doubt also rendered them less able to bear the long immersion following the heavy rain which brought about the floods. Transplantation could also not be completed in many villages until after the heavy rain, and it may be even now going on in a few places. Good rain in the last week of this month, and even in the first week of October, is thus needed to ensure the healthy growth of these crops until the ear begins to form. I was glad to find in many of the villages submerged that there were still seedlings available, and that they were being transplanted wherever practicable. The extent of land thus cultivated will, however, be very small.

3. For enquiry in connection with the memorial, I deputed the Sudder Sub-Deputy Collector to visit the villages in the Sudder sub-division, and the Diamond Harbour Sub-Deputy Collector to visit those in that sub-division. The former inspected the crops of 35 villages which lie north-east of Bistupur between Amgachi and Bonbughly, and he estimates that only four annas of the *aman* crop has survived, while the *aus* crops, owing to damage by the floods, will not yield more than a three-anna outturn. I am inclined to think that this estimate for both crops is too low. The villages visited by the Diamond Harbour Sub-Deputy Collector lie immediately to the south of Mograhat, embracing an area of about six miles in length by four in breadth. The whole of this area he found under water, the crops being entirely submerged, except about 400 bighas in one village. The crops are, he fears, entirely lost in this tract. After every allowance for possible exaggeration and for crops which may yet appear alive above the water, it is quite clear that the damage done in the villages visited by this officer has been very extensive, and that the people will be very badly off for some time to come. Taking the sub-division as a whole, however, the Sub-divisional Officer thinks, and I do not believe his estimate to be too sanguine, that there will be a six-anna

crop. In other parts of the district, notwithstanding some destruction here and there, there will, I think, be a fairly good crop. I do not therefore anticipate any want of food, although prices may rise. As regards the villages where the greatest damage has been done, I see no necessity at present for any relief measure. The destruction of the *aman* crop will be felt by the people later, when they would in the ordinary course have reaped the produce. In any case they would not at this season have been gathering in a fresh stock of food. The missionaries state that they are actually suffering because, having no crop in prospect, they cannot procure advances from the money and grain-lenders. This is doubtless to some extent true; but these advances cannot be long withheld from them, and friends and relations will give temporary assistance in grain or money to those who require it. In any case it is impossible at this season to undertake relief by road works, as the state of the country will not admit of the construction of roads, and cash advances are altogether undesirable as a form of relief. As regards the fishermen to whom the missionaries refer, it should be stated that they have resumed their occupation and are likely to gain rather than lose from the accumulation of water.

4. On full consideration, I think that no official action is at present required for the assistance of the people in the flooded tract, and I am hopeful that none will be required later. Equally destructive floods have occurred elsewhere from time to time without relief being undertaken by the State, and it is reasonable to expect that in this case also the people, though suffering a good deal, will pass through the calamity without the need of relief. It is satisfactory to note that in almost every petition which has been presented to me in connection with these floods, the only definite request made is that the zemindars may be desired not to press for rents, and in Government estates that the collection of rents may be kept in abeyance. The people themselves apparently do not anticipate that they will be in want of food. It is impossible to suggest officially to the zemindars that they should abstain from the collection of rents, unless the Government is prepared to suspend at the same time the collection of the land revenue—a measure which I could not advocate in this case. I am, moreover, disposed to think that the zemindars will not, under the circumstances, be wanting in consideration to their tenants. In the Government estates leniency will be shown in the collections according to the condition of each tenant, and it may be necessary later to recommend remissions.

5. A further report as to the state of the inundated tract will be submitted to you after the end of this month, and a fuller report after the 15th October. The severity of these floods and their long continuance are attributed by the people to the blocking up of the drainage by roads, embankments and cross dams across certain natural outlets, and there appears to be much truth in this view. The insertion of sluice gates in suitable places would, no doubt, be a great boon to the country: but the zemindars and their tenants have hitherto shown no readiness to provide the funds, and the works have been deferred from year to year. If still in charge of the district during the next cold weather, I propose visiting the whole line of embankments with Executive Engineer, selecting sites for sluice gates, and making a strong effort to get the landlords and ryots of all villages to be benefitted to subscribe. If the sites of the sluice gates be selected so as to serve the largest number of villages, the proportionate cost to each village would be reduced, and the probability of obtaining the co-operation of the landlords and ryots would be greater.

To the HON'BLE SIR STEUART COLVIN BAYLEY, Lieutenant-Governor of Bengal.

YOUR HONOUR—

We the undersigned Catholic Chaplains residing in the villages situated south of Calcutta, beg to solicit Your Honour's kind consideration and the assistance of Government on behalf of the distressed population of the whole district in which we labour, in consequence of the late storm and the complete ruin of their crops.

We respectfully represent that, in more than forty villages over which our ministrations extend, the poor inhabitants, Christians as well as Hindoos, are left without any hope of a harvest this year, and owing to the abundance of water cannot have recourse to fishing which is their means of subsistence at this time of the year.

We have liberally spent what scanty means we had for the relief of their misery; but the magnitude of the calamity forces us to apply to Government for aid.

What makes the situation of our poor villagers quite helpless is that they cannot, as in other years, live by small loans of paddy which they borrow on the security of the coming harvest.

Living, as we do, for a great number of years in the very midst of these poor people, we think that we are best able to point out their real wants and to see that the assistance reaches the truly needy. This is what prompted us to submit the present memorial, and to entreat Your Honour to give it your favourable consideration.

With every respect, we beg to remain,
Your Honour's most obedient servants,

JULIAN BANCKAERT, S.J.
ALBERT MABNE, S.J.
J. DEJAINS, S.J.
FRED. GREGORY, S.J.

Raghapur, Station of Bistopoor, Sub-District of Alipore.

No. 69MAct. dated Camp Krishnaghur, the 27th September 1888.

Memo. by—A. SMITH, Esq., Commissioner of the Presidency Division.

COPY submitted to the Secretary to the Government of Bengal, Revenue Department, for information.

2. It will be seen that the injury to crops has been greatest in the Sudder sub-division.

3. The enquiries I have made satisfy me that there neither is any severe distress, nor is there any likely. The discomfort will pass away with the subsidence of the water, which has already fallen.

4. The flood of 1885 followed on two years of drought, and found the cultivators in some difficulty at the commencement. It was followed by inordinately good cold-weather crops, and the two intermediate years have been years of good harvest. The ryots are thus well set up, and meet the present calamity with the advantage thus given.

5. It was feared in 1885 that sickness might attend the drying up of the floods, but none came, and it is to be hoped that none may come this year.

6. Some sickness then appeared among cattle, owing, it was believed, to the use of the fresh vegetation as food. If this should occur, some help in the shape of veterinary doctors may be needed to meet it. Action, however, may wait till it is seen if the aid is needed or not.

7. I do not anticipate that any other aid will be needed. One result of the floods is to increase the demand for labour. Road damages have to be repaired. Cold-weather crops, especially wheat, will be sown on a larger scale than usual, and the larger area needs more labour. Flood injuries to the houses of the well-to-do have also to be put right. All this affords labour to those who need it. The loans under the Agricultural Loans Act, for which budget provision exists, will permit of aid where needed to the cultivators themselves, and I agree with the Collector in thinking it unlikely the whole sum available will be wanted.

No. 1332G, dated Krishnaghur, the 27th September 1888.

From—W. C. MACPHERSON, Esq., Offg. Collector of Nuddea,
To—The Commissioner of the Presidency Division.

I HAVE the honour to submit a statement showing the estimated outturn of the *aus* and *amun* rice crops in this district in the present year. The holding off of the rains till nearly the end of June, and excessive rainfall in July and August, have been unfavourable to the rice crops, and a very large quantity of the *aus* on the *chur* lands has been lost.

2. The floods of the Bhagiruthi have been unusually high in the Sudder sub-division (thannas Kaligunge and Nakasipara), and the spills of the Jellinghee and Churni were also more severe than usual in the Chupra and Hanskhali thannas. There has been much discomfort in the riparian villages, where flood-water has risen higher than in ordinary years on the village sites.

3. I do not think that there is any severe distress, nor do I anticipate that there will be. One or two applications only for loans under the Agricultural Loans Act have been presented to me, which are now being enquired into. I have an allotment of Rs. 12,000 for advances under the Agricultural Loans Act, and I do not expect that I shall have to spend nearly the whole allotment. The Sudder canoongoe is enquiring as to the necessity of making advances in thannas Nakashipara and Kaligunge in the Sudder sub-division, which appear to have suffered most from the inundation.

4. I have also asked the Sudder Local Board to begin road works in the thannas last named, as early as possible, in order that the labouring classes may be able to get work before the harvests.

Name of sub-division.	Outturn of aus.	Prospect of amun.	Remarks.
Kushtea.			
Normal percentage of each crop to year's outturn—			
Aus ... 45 per cent.			
Amun ... 25 „			
Winter crops 30 „			
Total ... 100	6 annas ...	10 annas ...	The unusual heat or want of rain during the sowing season, and heavy rainfall at the harvest time, injured *aus*. The cyclonic weather in August and partial flood in some places destroyed *amun*.
Meherpore.			
Normal percentage of each crop to year's outturn—			
Amun ... 20 per cent.			
Aus ... 50 „			
Cold-weather crops ... 30 „			
Total ... 100	10 „ ...	8 „	Best Karimpore, 12 annas; worst Meherpore, 7 annas; *amun* much damaged by floods.
Chooadanga.			
Normal percentage of each crop to year's outturn—			
Thanna Jibanagar ... 16			
Kalupole ... 12			
Damurhuda ... 8			
Chooadanga ... 8			
Alumdanga ... 8			
Average for sub-division 10 to 11 annas.			
Aus ... 45 per cent.			
Amun ... 25 „			
Cold-weather crops ... 30 „			
Total ... 100	......	16 annas.	
Ranaghat.			
Normal percentage of each crop to year's outturn—			
Aus ... 45 per cent.			
Amun ... 25 „			
Cold-weather crops ... 30 „			
Total ... 100	12 annas ...	16 „ ...	Destruction of *aus* on chur lands by the flood is the cause of outturn being lower than average.
Sudder Sub-division.			
Thanna Chupra	5 to 6 annas ...	Doubtful.	
„ Kaligunge	3 annas ...	4 annas.	
„ Nakashipara	4 „ ...	Doubtful.	
„ Hanskhali	6 „ ...	4 annas.	
„ Krishnaghur	6 „ ...	2 „	
Outpost Navadwipa	5 „ ...	8 „	
	Average for sub-division according to police reports and canoongoe's reports, 5 to 6 annas. I myself estimate not less than 6 annas.		

W. C. MACPHERSON,

Offg. Collector of Nuddea.

The 27th September 1888.

INUNDATIONS OF THE DAMUDAR AND ADJAI RIVERS IN THE BURDWAN DISTRICT.

The following report from the Commissioner of Burdwan with its enclosures is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,
Secy. to the Govt. of Bengal.

Dated 9th October 1888.

No. 39RG, dated Burdwan, the 28th September 1888.

From—E. V. Westmacott, Esq., Offg. Commissioner of the Burdwan Division,
To—The Secretary to the Government of Bengal, Revenue Department.

In continuation of my No. 33RG of the 21st instant, I have the honour to submit herewith copy of a letter No. 1320G of the 27th instant, with its enclosures, from the Collector of Burdwan, reporting on the effects of the recent floods in his district by the overflow of the rivers Adjai and Damudar. I am satisfied that Mr. Oldham, with whom I am in daily communication, has correctly estimated the amount of damage done. I make no remark on the engineering questions raised, which must be settled by professional engineers.

No. 1320G, dated Burdwan Collectorate, the 27th September 1888.

From—W. B Oldham, Esq , Collector of Burdwan,
To—The Commissioner of the Burdwan Division.

In continuation of my No. 1246G, dated the 18th instant, I have the honour to furnish the final report on the effects of the floods of the last week of August 1888 in this district The total area, in which crops were lost or very seriously damaged by them, is 50 square miles.

I—THE ADJAI AND BHAGIRUTHI FLOODS, CUTWA SUB-DIVISION.

2. In my previous report, the area of total loss of, or very serious damage to, crops from these floods was estimated, on the details therein given, at 90 square miles. From the more accurate information now obtained, and a rough map furnished by the Sub-divisional Officer of Cutwa, this estimate must be reduced to 30 square miles. I have eliminated the loss from the Bhagiruthi floods, which were calculated to have affected an area of 30 square miles altogether. Though the lands were entirely submerged, and the rice crops on them entirely destroyed, the lands themselves are all *chur*, on which rice is cultivated to provide for the event of the rivers not rising, but by far its most remunerative crops are wheat and other winter and spring crops, and these are most remunerative after a flood which has drowned the rice. It would be misleading, therefore, to reckon the recent loss of the rice on these tracts as serious damage, even if it is damage at all. The Sub-divisional Officer's letter No. 445G, dated 22nd instant, a copy of which I beg to annex, shows this very clearly. The great duration of the recent floods, while improving the silt deposits, very much enhanced the immediate inconvenience, and the damage to huts ordinarily done by a flood with prolonged wet weather; and in view of these facts, I have written for the Buxar wheat, which the Sub-divisional Officer wishes to distribute, and will entertain the applications for the advances under the Loans Act to which he refers. The only special reason for considering the latter is that rent collections must stop till the winter crops are harvested, when they will be paid with interest. The only request the people themselves have made to me is to induce the taluqdar to stay his ordinary collections till they get in their *rabi* crops when, they say, they will pay him in full.

3. My estimate of the area of total loss or serious damage from the Adjai floods was 60 square miles. But from the Sub-divisional Officer's map, I find that, instead of covering a continuous belt of country one-and-a-half miles broad on each side of the river throughout its course in the sub-division, as I first gathered from his diaries, the belt which they did cover is interrupted. Along the right bank it only runs for 10 miles in the extreme west of the sub-division. This was from the breach in the zemindari embankment at Fatehpore and was the scene of the heaviest damage done by the recent floods anywhere in the district. But even this tract includes a large area of waste land. The next belt of seriously damaged country is on the left bank of the Adjai from opposite Cutwa town, where the Bhagiruthi water joined the flood westward for 11 miles to the border of the Beerbhoom district. This tract of country has always been exposed to the combined Adjai and Bhagiruthi spill, and large stretches of it have been covered for years with coarse grass, and the cultivation in it is not continuous and is always precarious. The area is about 25 square miles, of which fully

10 square miles were waste. The area affected by the Fatehpore breach is 15 square miles, of which five square miles were waste. There was another isolated area on the right bank nearer Cutwa, where the Adjai overflow joined a marsh which overflowed. The area of damage from this was five square miles, though it, too, will be compensated for by the *boro* or April rice cultivation, which will be carried on in the marsh. So far as is known, there has been no extensive sand coating from these floods; and, as already reported, there was no loss of life or cattle. It seems I was mistaken in saying the Adjai flood was the highest ever known. The Assistant Engineer informs me that by his readings near the Bhedia Railway-station (Loop Line, East Indian Railway), the flood of 1885 was three feet higher. At Cutwa town, however, where the mouth of the Adjai, as is usual with these rivers, is choked, the flood was the highest ever known. Its duration, too, was unexampled.

II.—THE DAMUDAR FLOODS.

4. These were by nearly a foot the highest on record. As regards their effect and the communication made by Ambica Churn Gupta to Government regarding them (received under your No. 59RG of 7th September 1888), which I beg herewith to return; I cannot do better than attach a copy (extract) of a letter, which I wrote to Lala Ban Bihary Kapur, who had addressed me on behalf of certain memorialists, and the public concerned, regarding the Jankooli breach, on the subject. Every village in the tract affected was visited either by myself or the Excise Deputy Collector, or the senior Sub-Deputy Collector. In my first report I estimated the area of total loss and serious damage at 30 square miles on the basis of a continuous marginal belt. On visiting this belt myself, I found that it was by no means continuous, and I have reduced my estimate to 20 square miles, of which 15 square miles were affected by the Jankooli breach. Of the damage done by it, a considerable portion has been the work of previous years. No application for relief in any form, even by loans under the two Agriculturists Loans Acts, has been made from this south Damudar tract, either to myself or to my subordinates while on tour, or at my office here. In this connection it is worth mentioning that a private relief fund, held by native managers, gentlemen of good position, which was first raised in 1885 to meet distress following on the inundation of that year, exists in Burdwan. When the disastrous fire at Culna took place in March 1887, this fund contributed liberally to the relief that was then required. I enquired if the managers intended to take any steps with regard to the recent floods, and was informed that there was absolutely no occasion for doing so, as all that the people had suffered from was the fright and temporary inconvenience inseparable from such an occasion.

5. With regard to the Jankooli breach, I promised to bring the state of affairs to the notice of Government, though I believe Government must be acquainted with the subject from enquiries made in the Public Works Department on the many memorials which have been presented direct. The last orders communicated to this office were those conveyed in Colonel McNeil's No. 452J, dated 12th March 1885, and the subsequent orders received with your office No. 422, dated the 18th March 1886, by which the Collector of this district was forbidden to take proceedings for the closure of this breach. The aspect of the country at and from Jankooli is indeed deplorable. As far as the eye can see, it is covered with a barren coating of sand, or a rank growth of *khasia* grass, a product which is almost absolutely useless. The once flourishing village of Jankooli is reduced to nine houses, occupied by labourers, and in all its area there is not, as far as I could see (for I could not distinguish silt from sand in the prevailing slush) a single rood of cultivable land. The taluqdar of it, and the neighbouring village of Kalara, has lost all income from his taluq. This state of things has prevailed ever since the zemindari embankment at Jankooli was first breached in 1881; but what continues to cause alarm, and to keep up the agitation on the subject, is the uncertainty as to how far the volume of sand which each flood carries through this breach will be borne and deposited. A map showing the area destroyed by sand was prepared in 1885, and the Assistant Engineer informs me that another is now under preparation. Of course, in view of the decisions on the subject already given, it is impossible for me to suggest a remedy. I have only to say that, after a careful consideration of the terms and consequences of the agreement entered into in 1805 by Government with the Rajah of Burdwan, I think that any remedy which may be thought practicable should be undertaken by Government and not left to the people themselves.

6. In my letter to Lala Ban Bihari Kapur I have referred to the comparative safety of the country south and west of the Damudar; and though this involves an engineering question, I beg permission to say a few words regarding it. The most casual observer, who walks, as I did, along both banks of the Damudar, cannot fail to be struck with the difference in the country on each side. I believe that a prominent motive for the order which was passed in 1855 for the removal of some of the embankments on the right bank was to afford relief to the left bank embankment. The wisdom of that order, as regards the country on the right bank, has been proved by the sequel, for it has risen to a height which will soon secure it from any inundation. It, therefore, presents a solid barrier to the floods, which flow far above not only the fields, but the habitations on the left bank. The relief which the removal of the right bank embankments has been giving must soon cease to operate, and it is impossible to shut one's eyes to the catastrophe which in each successive rains must threaten the people and houses and crops and important public works—the Eden Canal, if not the Railway—which at present are only guarded by the frail protections of the left embankment.

No. 418G, dated Cutwa, the 22nd September 1888.

From—BABOO JADUNATH BOSE, Sub-divisional Officer, Cutwa,
To—The Collector of Burdwan.

WITH reference to your No. 1260G of the 19th instant, asking if any relief is wanted for the people of the inundated tracts, I have the honour to state that up to the moment of writing this report, no emergent cases of distress have come to my notice.

2. I have visited almost the whole of the inundated tract, except the portion south of Ketugram, and it appears to me that time is yet required to develop any distress should it hereafter occur.

3. The damages done by the inundation have not yet been fully ascertained, all the lands not having yet emerged out of the flood, and the information in connection with it being still in course of collection.

4. The only relief asked by the people themselves as yet is in the shape of agricultural loans under the Act, of the aggregate amount of Rs. 647, by about 52 ryots, of chur Sujapore, Mongram, and Narsingpore, in the Sujapore portion of the flooded tract.

5. In Agradipa, which is comparatively lower than the Sujapore tract, the damage appears to be somewhat heavier. The zemindar informed me that he had relieved some urgent cases of distress.

6. Agradipa is peculiarly situated, and the zemindar would suffer by desertion of his ryots if he did not interest himself in protecting them. The people of the Dhaoras or Buna hamlets only asked some relief work to be started after the subsidal of the flood, as they would soon be in want of work. I shall report again should any actual necessity for relief work hereafter arise.

7. There can be no doubt that the inundation will leave a rich silt by which the ryots will largely profit. The silt in the Sujapore chur had, I ascertained, in places been about nine inches or even a foot deep. The lands remained under water for about three weeks; people say the inundation has been of the longest duration known for some years. The layer of silt deposited must therefore have been comparatively thicker. I think we would not be much out of the mark to estimate the average thickness at four to six inches.

8. The ryots were frank enough to tell me that under favourable circumstances they looked forward to a splendid *rabi* crop. The only difficulty in prospect was to tide over the intervening period before the ripening of the crop.

9. The ryots of Sujapore alone told me that the silt of the Bhagirathi was not so good as that of the Adjai and the Babla; that it contained a large mixture of sand, from which some of the lands would suffer. Their statements may only be partially true, but there can be no doubt as to the net result of the inundation in leaving a rich silt behind.

10. A very large extent of land, compared with that of other years, is expected to be sown with *rabi* this year. Time has not arrived in my opinion for asking for any pecuniary relief. I would only ask that fifteen maunds of Buxar wheat seed, in addition to that which I have already asked for, and for which I have promised to pay, may be sent as soon as possible, to be advanced to the most needy of the ryots, if necessary free of cost.

11. I expect more applications for agricultural loans, and I think these loans to the limit of, say, Rs. 1,000 may be advanced. If this recommendation is approved, I beg that a canoongoe may be temporarily deputed to hold the usual preliminary enquiries necessary to the advance of these loans.

Extract paragraph 12 *of a letter, dated the 22nd September* 1888, *from the Collector of Burdwan to* LALA BAN BIHARI KAPUR.

12. The sum is that, though the Damudar floods of the 27th and 28th August last were the highest on record, not a human life nor a single head of cattle has been lost in them; the damage done by them has been strictly local; my Deputy Collector and myself have not yet been able to report a single case requiring charitable relief; except in the damaged area, the crops in the country affected by them is the finest that it has borne for years; and even including the damaged area, the average crop is the finest since 1886. But the chief result to notice is the extent to which the level of the country has been raised, and security against damage in the future been already attained. The immense difference between the height of the country on the right and left banks can be seen by any one who walks, as I did, along both banks for some miles. The cultivators on the left bank already envy the finer crops and superior soil of their brethren on the other side; and though they have been protected hitherto by the embankment from the river, which in flood flows far above their heads, they have only too much reason to envy their opposite neighbours for having at length attained a position independent of any such frail protection. In brief, though the floods of August 1888 have been the highest ever known, and notwithstanding the natural alarm and the great inconvenience which they created at the time of their prevalence, it can be affirmed that there never have been floods in the Damudar, which have caused so little real damage to the country on its right bank. On the other hand, the recent floods have brought inestimable benefits to that country, by renewing the fertility of its soil, and by raising still further its level.

FLOODS IN THE JEHANABAD SUB-DIVISION OF THE HOOGHLY DISTRICT AND IN THE MIDNAPORE DISTRICT.

THE following papers are published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Dated 9th October 1888. *Secy. to the Government of Bengal.*

No. 38R G., dated Burdwan, the 27th September 1888.

From—E. V. WESTMACOTT, Esq., Offg. Commissioner of the Burdwan Division,
To—The Secretary to the Government of Bengal, Revenue Department.

IN continuation of my No. 37R.G. of the 24th instant, I have the honour to submit copy of a letter from the Collector of Hooghly (his No. 1231 of the 21st idem, with its enclosure) reporting on the damage done in the Jehanabad sub-division by the recent flood, and to request that a sum of Rs. 2,000 may be granted to the district, as applied for by the Collector, for gratuitous relief in rebuilding houses and for advances under the Agriculturists Loans Act.

2. I accept Mr. Toynbee's views, and think it satisfactory that a half return may eventually be expected from later crops on the flooded land, and that the present distress is confined to want of accommodation.

3. I have in a demi-official letter authorised Mr. Toynbee to spend, in anticipation of sanction, such money as he may find necessary for immediate needs.

No. 1231, dated Hooghly, the 21st September 1888.

From—G. TOYNBEE, Esq., Collector of Hooghly,
To—The Commissioner of the Burdwan Division.

IN reply to your circular No. 59R.G., dated 7th September 1888, and circular No 61R.G., dated 14th instant, I have the honour to forward herewith copy of a report, No. 266, dated 19th September 1888, from the Sub divisional Officer of Jehanabad, on the damage done by the floods in his sub-division. Although this officer has only recently joined, he was in Ghatal in 1885-86 and has a good knowledge of the circumstances of the people in the south-west of the district. The Sub-Deputy Collector, who has visited the flooded tracts, has a thorough knowledge of the flooded tracts in which the Government khas mehals lie.

2. I agree with the Sub-divisional Officer in thinking that no scarcity of food is to be apprehended, but that the people have suffered, and will have to suffer, considerable privation before they can rebuild their houses, and that the poorest of them may require some help in this respect. The damage done seems to be very similar in character and extent to that done by the floods of 1885-86, on which occasion the Calcutta Relief Committee gave Rs. 2,000 and Government Rs 1,000 (excluding Rs. 500 for Howrah), besides an advance of Rs 2,000 under the Agricultural Loans Act. Of the first sum of Rs. 2,000 all was expended, of the second only Rs. 488, and of the third Rs. 1,900 was expended; in all Rs. 4,388, viz., gratuitously Rs. 2,488 and as loans Rs. 1,900. I would ask therefore that for the present a grant of Rs. 1,000 may be made for gratuitous relief in the way of rebuilding houses and Rs. 1,000 as advances under the Agricultural Loans Act This will I believe, meet all urgent cases, and the Sub-Deputy Collector may be employed in its distribution where actually needed.

3. The prevention of similar calamities in future is not a matter on which I can venture to give an opinion, as it is entirely an engineering question. As the west embankment of the Damoodar has been definitely abandoned, I fear there is no remedy. It should be remembered that rubbee crops are grown over the greater part of the flooded area, and that most of the people are connected with Calcutta and are fairly well off in spite of the annual inundations.

No. 266, dated Jehanabad, the 19th September 1888.

From—MOULVI BUZLAL KARIM, Sub-divisional Officer of Jehanabad,
To—The Collector of Hooghly.

REFERRING to your No. 1075 of the 31st ultimo, I have the honour to submit the following report on the floods which overtook the eastern and southern portion of the sub-division in the latter part of August.

2. The incessant downpour of the heavy rains in the latter part of August caused the overflow of the Damoodar, Rupnarain, Darkessur, and of the various khals and rivulets which join with the big rivers. The eastern portion of the sub-division, consisting of the jurisdictions of Singute and Pursurah outposts, was thus overflooded by the Damoodar and its branches, and the southern portion mostly by the overflow of the Rupnarain and partly by the Darkessur. It is a known fact that these portions, especially the eastern part of the sub-division, are more or less affected by the floods every year; but the last floods rose very high twice, and a great portion of the country still lies under water. The Sub-Deputy Collector learnt on enquiry that the highest flood this year rose about 18 inches above those of the previous 20 years, and his opinion is confirmed by the oldest men of the flood-affected tracts.

3. The last floods have done considerable damage to crops. Before the floods, transplantation of paddy was complete in the affected tracts. The young paddy, both *aghani* and *aus*, thus lying for a considerable period under water, was totally destroyed. The enquiry made by the Sub-Deputy Collector shows that the crops of nearly the whole of the jurisdictions of Pursurah and Singute outposts, and of thana Khanacool with the exception of three or four villages, have been totally destroyed.* In some places whence the floods have subsided, retransplantation has been commenced, though the seedlings could be procured with much difficulty and costs; but it is estimated that the area of such lands will not exceed 5 per cent of the damaged portion. The difficulty of producing seedlings at this portion of the year is a great obstacle to any extensive scale of retransplantation.

* While the crops of thana Jehanabad, excluding Pursurah, have not suffered more than 10 per cent of total rice producing area.

4. You are aware perhaps that the Damoodar floods annually leave a large extent of land without paddy crops. The extraordinary rise of water this year has doubled the extent of such damaged area. It is estimated that nearly the half or a little less of the total area (the crops of which have been destroyed this year) will produce *rubbee*, *boro* and other crops, leaving the other half without any produce. Thus, taking 100 as the unit of the area damaged, I may make the following calculations:—

5	per cent.	retransplanted paddy.
45	,,	*rubbee boro* and other crops.
50	,,	producing crops.
50	,,	net loss.
100		

5. Taking these figures into consideration, and the excellent crops which the jurisdiction of thana Goghat and the unaffected portion of Jehanabad are expected to yield, I do not think there is at present any reasonable cause of apprehension of a famine or scarcity visiting the sub-division on account of the loss of crops caused by the floods.

6. But I must note here that the last floods have not only destroyed the crops, but have rendered many homeless. The mud-walled houses which are made in this part could not stand against the incessant heavy rains and the rise of the floods above the ordinary level, and the result was that a good many houses in the flood-affected tracts especially gave way, thus rendering many almost homeless. It is to this only that a majority of the people now suffer, and their sufferings may continue or even take a serious shape if they could not prepare their necessary sheds before the cold weather sets in. The Sub-Deputy Collector, who visited the flood-affected tract, reports that many poor cultivators, widows and beggars have become entirely destitute of homes or sheds, and they have been very sparingly accommodated in the houses of some neighbours who may have one or two sheds of their own. Of course those who have means have already begun to rebuild some temporary shed, but the poor classes suffer considerably from want of sufficient accommodation. To alleviate the sufferings of those classes who have no means to make new houses within a reasonable time, the Sub-Deputy Collector proposes that some aid may be given to them for the reconstruction of small sheds wherein they may live; and I, agreeing with this view, would request you to obtain a grant of Rs. 2,000 for the relief of those who have no means left to build houses before the severity of the cold weather tells upon their health and constitution.

7. A long list† prepared by the Sub-Deputy Collector shewing the number or percentage of houses destroyed in each village, is herewith annexed.

† Total number of villages ... 147
,, ,, of houses .. 2,278
Besides the above, in 9 villages 60 per cent. of the houses was damaged.

No. 3842—138Fam., dated Calcutta, the 4th October 1888.

From—H. J. S. Cotton, Esq., Offg. Secy. to the Govt. of Bengal, Revenue Dept.,
To—The Commissioner of the Burdwan Division.

I am directed to acknowledge the receipt of your letter No. 38R.G., dated 27th September 1888, with its enclosures, reporting on the damage done by the recent floods in the Jehanabad sub-division in the district of Hooghly.

2. The Lieutenant-Governor sanctions the grant of Rs. 1,000 for gratuitous relief, and also the advance of Rs. 1,000 under the Agricultural Loans

Act. The Lieutenant-Governor approves also of the orders you have passed authorising the Collector of Hooghly to spend whatever money he may find necessary for immediate needs. A careful account of expenditure should be kept, and a further report submitted in due course.

No. 402RG, dated Burdwan, the 22nd September 1888.

From—E. V. Westmacott, Esq., Offg. Commissioner of the Burdwan Division,
To—The Secretary to the Board of Revenue, Lower Provinces.

In forwarding herewith copy of a letter, No. 1894 of the 14th instant, from the Collector of Midnapore, reporting on the effect of the recent flood in his district, I have the honour to request that, under the circumstances stated, a further sum of Rs. 2,000 may be allotted to the district of Midnapore for agricultural loans under Act XII of 1884.

No. 1894G, dated Midnapore, the 14th September 1888.

From—C. H. Vowell, Esq., Collector of Midnapore,
To—The Commissioner of Revenue, Burdwan Division.

Since writing my No. 1818G, dated 8th instant, on the effect of the floods in the district, I have received some further reports concerning the state of the villages in the south of the head-quarters and in Contai. A detailed report has not yet come from the Sub-divisional Officer; but from what I can gather, I think there is little doubt we shall have to assist with agricultural loans. Only Rs 1,000 has been assigned to this district, none of which has yet been spent. I request that, in anticipation of my detailed report, you will give me a further credit of Rs. 2,000.

No. 929A, dated Calcutta, the 1st October 1888.

Memo. by—K. G. Gupta, Esq., Offg. Secretary to the Board of Revenue, Lower Provinces.

Copy submitted to the Secretary to the Government of Bengal, in the Revenue Department, for sanction, with reference to Board's letter No. 918A, dated 27th September 1888.

Mr. Reynolds.

No. 152T—R, dated Darjeeling, the 8th October 1888.

From—P. Nolan, Esq., Secretary to the Government of Bengal, Revenue Department,
To—The Secretary to the Board of Revenue, Land Revenue Department

With reference to your endorsement No. 929A, dated 1st October 1888, and annexures, I am directed to convey the Lieutenant-Governor's sanction to the allotment of a further sum of Rs. 2,000 to the district of Midnapore for agricultural loans under Act XII of 1884.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 6th October 1888.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches	Character of the weather and state and prospects of the crops.
BENGAL.				
		Western Districts		
BURDWAN DIVN.	1	Burdwan Oct. 6, '88	0 07	Weather—cool and showery. More rain has fallen to-day (6th). Prospects are good, and if there is general rain now, there will be a bumper harvest.
		Culna ..	0 43	
		Cutwa ..	0·08	
		Ranigunge ...	0 11	
	2	Bankoora „ 6, '88	1 50	Weather—hot A good shower of rain on 5th. *Aus* harvest approaching completion, probable yield about 12 annas. *Amun* doing well, but more rain needed Damage done by floods of August, nothing very much.
	3	Birbhum „ 6, '88	0 31	Weather—seasonable. Prospects of rice good, but rain wanted for high lands. Sugarcane fair.
		Rampur Hât	0 67	
	4	Midnapur „ 6, '88	1 66	Weather—generally fine with light showers on a few days. Winter paddy doing well. *Aus* being reaped in places.
	5	Hugli „ 6, '88	3 43	Weather—normal. Prospects good on all but flooded lands.
		Serampur	1 21	
		Jehanabad	Nil	
		Howrah „ 8, '88	2 32	Weather—seasonable. Prospects of crops fair.
		Ooloobeiiah	1 82	
		Central Districts.		
PRESIDENCY DIVN.	6	24-Perghs. Oct. 9, '88	1 69	Weather—hot and rainy. Prospects of crops good in all sub-divisions except Diamond Harbour.
	7	Nuddea „ 6, '88	4 54	Weather—sultry *Aus* harvest nearly finished with poor outturn *Amun* prospects generally poor but doing well in Ranaghat. Ploughing and sowing for winter crops going on.
		Kooshtea ..	0 47	
		Meherpur	Nil	
		Chooadanga ...	0 35	
		Ranaghat	0 10	
	8	Khoolna „ 6, '88	1 18	Weather—hot in the early part of the week; latterly showery. State and prospects of crops generally good
	9	Jessore „ 6, '88	0 72	Weather -hot and cloudy *Amun* paddy doing well. Lands are being prepared for the sowings of the cold weather crops. Jute manufacture over.
		Jhenidah	0 17	
		Magoora	0 31	
		Narail	1 01	
		Bongong	Nil	
	10	Moorshedabad „ 6, '88	0 55	Weather—bright and sultry with fine cool mornings. A heavy shower this morning (6th), alternate sun and rain during the day. *Amun dhan* doing well *Kalai* is still being sown, and in some places the plants are out and looking well Rain is much wanted in the Kandi sub-division. River falling gradually
		Lalbagh	1 15	
		Kandi	Nil	
		Jangipur	1 60	
RAJSHAHYE DIVN.	11	Dinagepur „ 6, '88	Nil	Weather—clouding up at end of the week. Prospects of *haimanti* depends much upon the fall of rain within the next week
	12	Rajshahye „ 6, '88	1 66	Weather—hot but occasionally rainy. Prospects of crops good. Cutting and steeping of jute almost over.
		Nattore ...	1 40	
		Nowgong	Nil	
	13	Rungpur „ 6, '88	Nil	Weather—fine. The *amun* crop is stunted and backward, and the outturn will be below the average The jute crop appears to be good,
		Gaibandha ..	0 35	
		Kurigram ..	Nil	
		Nilphamari ..	0 85	
	14	Bogra „ 6, '88	Nil	Weather—hot and close for this season of the year Jute-steeping still going on. Rain wanted for *amun* which is withering in some places. Other crops doing well.
	15	Pubna „ 6, '88	Nil	Weather—hot and fine. Prospects of crops good. Winter crops are being sown.
		Serajgunge .	Nil	
	16	Darjeeling „ 6, '88	0·04	Weather—fine and rather warm. Hill crops are progressing favourably. More rain is said to be wanted in the plains, particularly for high land rice.
	17	Julpigoree „ 6, '88	Nil	Weather—hot and cloudy. More rain wanted for *amun*, especially in the Alipore sub-division, where the plants are said to be withering Lands are being prepared for tobacco and mustard. Sugarcane doing well,
		Eastern Districts.		
DACCA DIVN.	18	Dacca Oct. 6, '88	0 41	Weather—very hot and fine. *Aus* paddy and jute nearly but; outturn good, *Amun* paddy doing well. Prospects of crops good.
		Manickgunge	1 02	
		Munshigunge	1 28	
		Naraingunge ...	1 36	
	19	Furreedpur „ 6, '88	0 70	Weather—seasonable. Prospects of crops continue good.
		Goalundo .	0 37	
		Madaripur	0 45	
	20	Backergunge „ 4, '88	1·36	Weather—seasonable. Prospects of crops continue good except at Bhola, where the recent rain has somewhat benefited the *amun* and other crops. Transplantation of *amun* still going on in some places.
	21	Mymensingh . „ 6, '88	0 63	Weather—hot and bright. Prospects of crops good.
		Jamalpur ...	0 69	
		Kishoregunge	1·94	
		Attia ...	1 00	
		Netrokona ...	1·66	

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
Eastern Districts—concld.					
Chittagong Divn.	22	Chittagong	Oct. 9, '88	5 62	Weather—seasonable. Harvesting of *aus* continues. *Amun* is being transplanted. Prices steady.
		Noakholly			Report not received.
	24	Tipperah	" 4, '88	0 42	Weather—very hot with occasional heavy showers of rain. Prospects are as bright and promising as before.
		Brahmanbariah		1·56	
		Chandpur		Nil	
	25	Chittagong Hill Tracts.	" 3, '88	0 21	Weather—dry throughout the week, except on the 28th September, when slight rain fell. Harvesting of *jum* paddy nearly over. Prospects of plough paddy not good.
		Hill Tipperah	" 3, '88	0 15	Weather—hot. *Amun* paddy doing well. Prospects of *til* and cotton fair.
BEHAR					
Patna Divn.	26	Patna	" 6, '88	Nil	Weather—hot and clear; mornings getting cool. Preparation being made for *rubbi* sowings. Rain wanted for paddy crop. If there be no rain shortly, the prospects of the present and the future crops will be poor. Prices of food-grains at head-quarters stationary.
	27	Gya	" 6, '88	Nil	Weather—hot. Harvesting of *bhadoi* finished; a poor crop. Paddy suffering seriously for want of rain. It is withering in uplands. Ploughing of *rubbi* fields being retarded for want of moisture. Little water stored in the churs owing to destruction caused by floods and heavy rain at end of August. If no rain falls within 10 days, prospects will be serious.
		Shahabad	" 6, '88	0 28	Weather—clear and bright almost the whole week. *Bhadoi* harvest almost over. Prospects of paddy and sugarcane continue favourable, but rain within a week is indispensable. Fields are being prepared for *rubbi* sowings.
		Buxar	...	0 10	
		Durbhunga	" 6, '88	Nil	Weather—mornings and nights cool, but days hot. *Bhadoi* harvest nearly completed. Rain urgently wanted for rice, especially in north of the district. Price of common rice averages 11 seers per rupee.
		Mozufferpur	" 6, '88	Nil	Weather—hot and clear. Threshing of *bhadoi* crops begun. Rain urgently wanted for *rubbi* sowings, and for winter rice which is suffering, especially in the Sitamurhi sub-division. Prices rising.
		Sarun	" 6, '88	Nil	Weather—fair and hot. Rain much wanted for paddy and for sowing of *rubbi*. Harvesting of *bhadoi* almost over; outturn good.
		Chumparun	" 6, '88	Nil	Weather—bright; getting cool, in the morning it is specially so. Reaping of *bhadoi* completed with good outturn. Indigo manufacture closed. Rain urgently required for paddy in some places; in others prospects are good. If favourable rain comes within the next week or ten days, the outturn of the *aghani* crop will be good.
Bhagulpore Divn.		Monghyr	" 6, '88	Nil	Weather—bright and hot. Rain much wanted for winter rice. Lands are being prepared for *rubbi* crops in the Beguserai sub division.
		Beguserai	...	0 40	
		Jamui		0 11	
		Bhagulpur	" 6, '88	Nil	Weather—still warm for the season. Rain much wanted on all but low lands. Rice on some high lands already much damaged.
		Banka	...	1 25	
	35	Purneah	" 6, '88	Nil	Weather—fine and cloudless. The *aghani* crop is likely to suffer if there is not more rain soon.
	36	Maldah	" 6, '88	Nil	Weather—very hot and oppressive. Rain much wanted for winter rice. *Kalai* promises well.
		Chanchal		0 96	
	37	Sonthal Perghs	" 6, '88	0·27	Weather—close, but cool mornings and evenings. Some rain fell during the week. *Rubbi* sowings begun. Prospects of *dhan* all depend on rain. It is needed. Some has fallen, and the weather is cloudy.
		Deoghur		0 03	
		Godda		2 70	
		Jamtara		0 35	
		Pakour		0 52	
		Rajmehal		Nil	
ORISSA					
Orissa Divn.	38	Cuttack	" 5, '88	1 35	Weather—hot and cloudy. *Beali* rice being reaped and gathered. *Sarad* growing well. Common rice 17 seers 1 chittack per rupee in town.
	39	Pooree	" 4, '88	0·83	Weather—hot and rainy towards the end of the week. Transplanting and weeding of *sarad* rice going on. *Beali* and *mandia* are being harvested. Common rice 19 seers 11 chittacks per rupee in the Sudder sub-division, and 16 seers 2 chittacks in the Khoorda sub-division.
		Khoorda		0·01	
	40	Balasore	" 5, '88	1·13	Weather—settled early in week, more unsettled now. Harvesting of *aus* rice nearly over; outturn fair. Prospects of late rice promising except in the flooded tracts.
CHOTA NAGPORE.					
South-West Frontier Agency.					
Chota Nagpore Divn.	41	Hazaribagh	Oct. 5, '88	0 36	Weather—bright and clear. *Bhadoi* being harvested, outturn generally below the average owing to heavy and incessant rain. Prospects of sugarcane and winter rice very good, but heavy showers now wanted. Oil-seeds and pulses being sown. Lands being prepared for *rubbi* crops.
	42	Lohardugga	" 6, '88	Nil	Weather—cool and cloudy. No rain during the week. Paddy is suffering for want of moisture. No change in prices.
	43	Singbhoom	" 5, '88	Nil	Weather - cloudy and threatening rain. Rain is much wanted for the crops which are up to date very fine everywhere. A few cases of cattle disease reported from Dhalbhoom pergunnah.
	44	Manbhoom	" 6, '88	0·05	Weather—cloudy. Rain is wanted throughout the Sudder sub-division for the upland paddy. Prospects of low land paddy are good.
		Govindpur		0 25	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 9th October 1888.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Choium (*Sorghum Vulgare*). Present return.	Jowar or Choium. Next preceding return.	Jowar or Choium. Corresponding return of last year.
	BENGAL															
	Western Districts.															
		S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch
	Burdwan	11 8	12 10	15 0	No sale			15 0	16 0	17 4	20 4	18 12	24 0	..	...	
	Bankoora	12 8	11 8	15 0	17 0	16 0	20 0	17 8	17 8	18 0	19 1	21 0	23 2		.	
3	Beerbhoom	13 8	13 8	16 8				15 0	15 8	16 8	19 0	18 0	22 8	..	..	
4	Midnapore	13 5	13 5	15 0	40 0	40 0		16 0	16 0	18 0	21 0	21 0	24 0	.	.	
5	Hooghly	14 0	14 0	14 0				10 0	10 0	10 0 D	16 0	15 0	16 0	.	...	
	Howrah	Not available.						12 8	12 8	13 0	17 12	17 12	17 12	.	..	
	Central Districts															
	Calcutta	12 6	12 7	14 4	15 9	16 5	19 14	10 15	11 3	8 12	16 6	16 10	16 4	15 9	17 0	19 [illegible]
	24 Pergunnahs	13 0	13 8	14 0	15 0	16 0	26 8	8 0	8 0	8 0	16 8	16 8	16 0			
	Nuddea ...	14 3½	14 3½	16 6	17 12	17 12	36 0	14 8	14 8	16 0	17 12	21 8	20 8			
	Khoolna	...	.	..	..	.	.	16 0	16 0	19 0	19 8	21 0	22 0			
	Jessore	13 4	14 0	14 8	..	...	..	14 8	15 0	16 4	24 8	20 0	23 8			
10	Moorshedabad	14 8	14 8	16 12	...	.	..	15 0	15 0	13 4	18 0	19 0	22 0			
11	Dinagepore	16 0	16 0	14 8	20 0	20 0	24 0	15 8	18 0	16 0	19 4	21 8	21 4			
12	Rajshahye	12 0	15 12	17 4	45 0	45 0	45 0	15 0	15 0	16 8	19	19 8	19 8			
13	Rungpore ...	18 4	18 4	18 12	...	..	...	18 0	15 1	14 8	18 4	18 4	20 0			
14	Bogra	15 0	17 4	16 0	...	..	...	16 8	15 12	15 0	21 12	22 8	24 0			
15	Pubna	18 0	18 0	18 0	..	.	..	8 0	8 0	8 0	18 12*	22 8	22 8			
16	Darjeeling	10 0	10 0	9 8	10 0	10 0	11 0	6 0	6 0	6 0	14 0	14 0	11 0			
17	Julpigoree	13 0	13 0	12 8	20 0	20 0	20 0	13 0	13 0	13 0	20 0	20 0	20 0			
	Eastern Districts.															
18	Dacca	14 0	14 0	16 0	20 0	26 0	26 0	16 8	15 8	15 12	17 0	17 0	22 4	...	...	
19	Furreedpore ...	21 0	21 0	14 0	32 0	32 0	24 0	16 0	16 0	19 0	18 0	20 0	22 0	...	...	
20	Backergunge ...	..	.	.	..	...	...	14 0	14 0	17 0	16 0	16 0	20 0	...	...	
21	Mymensingh ..	10 0	10 8	13 0	...	...	...	13 8	12 8	13 4	18 4	18 0	18 0	...	...	

* Increase is due to insufficient importation.
† 32 seers shown on last return was a mistake.

A In sub-divisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 10 seers 6 chittacks, and Raneegunge 11 seers.
B At Rampore Hât retail price of salt 11¼ seers per rupee.
C In sub-divisions retail prices of salt per rupee are :—Ghattal 11½ seers, Tumlook 8 seers, and Contai 10 seers.
D In sub divisions retail prices of salt per rupee are : - Serampore 10 seers and Jehanabad 10 seers 13 chittacks.
D1 In sub-divisions retail prices of salt per rupee are :—Baraset, Bussirhat and Diamond Harbour 9 seers, Barrackpore 9½ seers, and Dum-Dum 10 seers.
E In sub-divisions retail prices of salt per rupee are :—Kooshtea, Chooadanga, and Ranaghat 10 seers, and Meherpore 10½ seers.
F In sub-divisions retail prices of salt per rupee are .—Sathhira 9 seers 2½ chittacks and Bagirhat 8 seers.
G In sub-divisions retail prices of salt per rupee are .—Jhenida 9 seers, Magura 10 seers, and Narail 7½ seers, and Bongong 10 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 30th September 1888.

Indian-corn or Maize. (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Ch. S.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
															BENGAL
															Western Districts.
	No sale		18 0	21 5	30 0	120 0	120 0	120 0	A 11 2½	11 2½	13 12	3 7 6	3 8 0	2 13 3	Burdwan.
26 0	26 0	36 8	20 0	21 0	20 0	3[illegible]0 0	280 0	280 0	10 0	10 0	12 0	3 15 0	3 15 0	3 3 0	Bankoora.
...	...	...	13 0	13 8	15 0	160 0	160 0	160 0	B 10 0	10 0	12 12	3 13 0	3 13 0	3 0 0	Beerbhoom.
...	...	...	14 0	14 0	13 0	120 0	120 0	120 0	C 10 8	10 8	13 0	3 12 0	3 12 0	3 0 0	Midnapore.
...	...	...	13 0	13 0	13 0	120 0	120 0	120 0	D 9 0	9 0	13 0	4 6 0	4 6 0	2 14 0	Hooghly.
...	...	...	13 0	13 4	14 4	100 0	100 0	100 0	10 8	10 8	12 13	3 9 0	3 9 0	2 14 0	Howrah.
															Central Districts.
17 12	17 12	17 8	16 8	17 14	18 0	98 10	80 0	80 0	11 0	10 12	13 0	3 6 0	3 7 1	3 0 0	Calcutta.
...	...	21 0	17 0	18 0	18 0	100 0	100 0	100 0	D1 10 12	10 8	12 4	3 6 6	3 8 0	2 15 0	24 Pergunnahs.
...	...	...	17 12	17 12	20 0	...	...	...	E 9 2	9 2	11 10½	3 14 0	3 14 0	3 0 0	Nuddea.
...	..	..	...	...	...	160 0	160 0	160 0	F 10 0	10 0	10 8	3 14 0	4 0 0	3 12 0	Khoolna.
...	...	..	20 0	20 0	20 0	100 0	100 0	100 [illegible]	G 10 12	10 0	10 12	3 12 0	4 0 0	3 2 0	Jessore.
...	...	...	20 0	20 0	20 0	200 0	200 0	[illegible]90 0	H 10 8	10 8	12 0	3 12 0	3 12 0	3 5 5	Moorshedabad.
...	...	.	10 8	10 8	11 0	16[illegible] [illegible]	160 0	160 0	I 10 4	10 0	12 8	3 14 0	3 14 0	3 2 0	Dinagepore.
...	...	...	13 0	11 12	16 6	240 0	240 0	240 0	J 9 12	9 12	12 0	3 13 4	3 13 4	3 1 4	Rajshahye.
...	...	...	10 0	11 8	8 10	120 0	120 0	120 0	K 10 0	10 0	10 5	4 0 0	4 0 0	3 8 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	9 12	10 3½	10 8	4 0 0	3 14 8	3 5 4	Bogra.
...	...	...	20 0	22 8	19 0	200 0	200 [illegible]	200 0	L 10 0	10 0	12 0	4 0 0	4 0 0	3 5 0	Pubna.
[illegible]0 0	20 0	25 0	8 0	8 0	8 0	120 0	120 0	120 0	8 0	8 0	9 0	5 0 0	5 0 0	4 4 0	Darjeeling.
[illegible]0 0	20 0	20.	12 0	12 0	11 0	128 0	128 0	128 0	M 9 8	9 0	11 0	4 0 0	4 0 0	3 6 [illegible]	Julpigoree.
															Eastern Districts.
...	...	...	16 0	18 0	16 0	120 0	120 0	120 0	N 10 0	10 0	12 8	3 14 0	3 12 0	3 3 0	Dacca.
...	...	...	...	..	20 0	12[illegible] 0	120 0	160 0	10 0	9 0	12 0	4 0 0	4 5 0	3 1 0	Furreedpore.
...	...	...	11 7	11 7	13 0	100 0	100 0	120 0	O 10 0	10 0	12 8	4 0 0	4 0 0	3 2 0	Backergunge.
...	...	...	16 0	10 8	2[illegible] 0	..	.	...	P 10 0	10 0	12 4	4 0 0	4 0 0	3 4 0	Mymonsingh.

H In sub divisions retail prices of salt per rupee are :—Lalbagh 10½ seers, Kandi 10 seers 5 chittacks, and Jungipore 10 seers.
I At Thakurgaon retail price of salt 8 seers per rupee.
J In sub-divisions retail prices of salt per rupee are :—Nowgong 9 seers 9 chittacks, and Nattore 9¾ seers.
K In sub-divisions retail price of salt per rupee are :—Kurigram 9 seers, Gaibanda 7½ seers and Nilphamari 10 seers.
L At Serajgunge retail price of salt 10½ seers per rupee.
M At Fallacutta in Alipore sub-divisions retail prices of salt 8 seers per rupee.
N In sub-divisions retail prices of salt per rupee are :—Manickgunge 9 seers, Munshigunge 8¾ seers, and Naraingunge 10 seers.
O In sub-divisions retail prices of salt per rupee are :—Patuakhali 8 seers, Perozepore 9 seers, and Bhola 10½ seers.
P In sub-divisions retail prices of salt per rupee are :—Kishoregunge and Sherpore 8 seers, Attea 10 seers, Jamalpore 9½ seers, and Netrokona 9 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare.) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	Eastern Districts—concluded	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong	10 8	10 8	10 0		..	...	12 8	13 0	13 0	18 5	19 11	19 0	..	...	...
23	Noakholly	..	...	.	.		..	18 0	17 0	19 0	21 0	22 0	21 0	..	...	...
24	Tipperah	11 8	11 8	13 5			...	16 8	16 8	16 5	20 0	20 0	24 13½	.		...
25	Chittagong Hill Tracts			.	...	..	..	13 5½	12 4?	13 5	16 0	13 5	11 8½	...	.	.
	Hill Tipperah .	8 0	8 0	12 0	.	...	...	12 0	10 0	12 0	20 0	20 0	18 0	..	.	..
	BEHAR.															
26	Patna ..	18 0	17 0	19 0	22 0	22 0	28 0	11 5	11 5	11 8	17 0	17 3	21 8	...	...	26 0
27	Gya .	14 12	14 8	16 0	19 0	18 0	35 0	10 8	10 0	9 0	14 0	14 4	7 8	...	...	...
28	Shahabad .	15 0	15 0	16 0	19 8	20 0	33 0	11 0	9 0	9 0	15 8	14 4	16 0	...	.	...
29	Durbhunga	14 8	11 0	17 9	20 8	22 0	38 7	12 4	14 0	14 4	17 4	14 8	17 9	...	...	...
30	Mozufforpore	13 0	13 0	22 0	21 0	24 0	35 0	12 0	12 0	12 0	14 4	15 8	22 0	...	...	...
31	Sarun	16 0	16 4	18 0	20 0	20 1	30 0	8 8	9 0	9 0	16 8	16 0	21 0	...	...	...
32	Chumparun	16 0	17 0	22 0	27 0	26 0	36 0	9 0	8 8	8 0	19 0	18 0	18 0	...	...	...
33	Monghyr ...	14 11	15 4	21 0	18 10	20 0	31 8	13 2	12 1	13 2	15 3	13 10	15 12	...	...	...
34	Bhagulpore	14 13	15 2	20 3	20 3	20 3	31 9	12 10	12 10	17 0	15 2	15 10	20 3	..	...	..
35	Purneah ...	13 0	15 0	16 0	No sale		35 0	14 0	14 0	16 0	18 0	16 0	20 0	...	..	...
36	Maldah	15 0	16 0	18 0	...	...	...	13 0	12 0	14 0	20 0	20 0	24 0	...	...	...
37	Sonthal Perghs	11 0	12 0	16 0	..	...	...	14 0	14 0	16 0	18 0	18 0	25 0	.	.	...
	ORISSA.															
38	Cuttack .	11 7	13 2	17 1	...	...	...	10 8	10 8	10 8	17 1*	17 1	18 6	...	...	...
39	Pooree .	13 2	13 2	13 1	...	...	...	13 2	11 13	11 13	19 11	19 11	21 0	..	...	...
40	Balasore ...	12 0	12 8	12 0	13 0	13 0	13 0	13 0	13 0	15 0	21 6	21 6	25 0	...	...	.
	CHOTA NAGPORE. *South West Frontier Agency*															
41	Hazaribagh ..	11 8	12 0	15 0	14 0	13 0	25 0	7 0	7 0	9 0	13 0	13 0	18 0	Not procurable		
42	Lohardugga ...	12 8	11 0	20 0	Not available		22 0	13 0	13 0	16 0	15 8	15 0	(old) 22 0 (new) 23 0	...	...	...
43	Singbhoom ...	14 0	14 0	20 0	20 0	20 0	22 0	16 0	12 0	20 0	20 0	16 0	24 0	...	...	...
44	Manbhoom ...	11 10	12 5	16 0	30 0	.	...	14 0	14 0	16 0	21 0	19 8	28 0	...	...	...

* Common rice at Jajpore 26½ seers and Kondrapara 32 seers 13 chittacks per rupee.

Q At Cox's Bazar retail price of salt 8 seers per rupee.
R At Panchgatchia Hat in Fenny sub-division retail price of salt 8 seers per rupee.
S In sub divisions retail price of salt per rupee are :—Nowada 7½ seers, Aurungabad 9½ seers.
T In sub divisions retail prices of salt per rupee are :—Buxar 10½ seers, Sasseram 10 seers, and Bhubuah 9½ seers.
U In sub-divisions retail prices of salt per rupee are :—Madhubani 9 seers and Tajpore 10 seers.
V In sub divisions retail prices of salt per rupee are :—Hajipore 9½ seers and Sitamarhi 10 seers.

CALCUTTA,
The 8th October 1888.

Station Bazars of the Districts of Bengal on the 30*th September* 1888—(concluded).

INDIAN-CORN OR MAIZE. (*Zea Mays*)			ARHAR OR THUR. CAJAN PEA (*Cajanus indicus*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS — SALT			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															Eastern Districts—concluded.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	..	..	10 0	9 0	9 0	110 0	110 0	75 0	Q 9 0	9 0	8 8	3 14 0	3 14 0	4 8 0	Chittagong.
...	..		..		.		.	...	R 8 0	8 0	10 0	4 8 0	4 8 0	3 8 0	Noakholly.
..	.	.	10 0	10 0	10 2½	.			8 0	8 0	12 0	4 10 0	4 10 0	3 4 0	Tipperah
		.				320 0	320 0	320 0	8 0	8 0	8 0	5 0 0	5 0 0	4 8 0	Chittagong Hill Tracts
.	...	..	12 0	12 0	16 0	.	.	.	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
															BEHAR.
22 0	...	34 0	5 0	25 0	26 0	180 0	180 0	120 0	10 0	10 0	11 12	3 10 0	3 10 0	3 1 6	Patna
...	...	...	12 0	18 8	25 0	200 0	200 0	150 0	S 9 8	9 8	11 0	4 1 0	4 4 0	3 6 0	Gya.
...	...	...	14 0	14 0	16 0	60 0	120 0	160 0	T 10 0	10 0	13 0	4 0 0	4 0 0	3 1 3	Shahabad.
21 8	26 0	38 7	20 8	20 0	18 10	160 0	160 0	176 0	U 10 0	10 0	12 0	3 14 0	4 0 0	3 0 0	Durbhunga.
23 8	23 0	40 0	3 0	3 0	20 0	160 0	160 0	120 0	V 10 14	10 0	12 0	3 9 0	3 12 0	3 4 0	Mozufferpore
23 8	21 8	32 0	2 4	22 4	23 0	160 0	160 0	160 0	10 8	10 4	12 0	3 11 0	3 12 0	3 2 0	Sarun.
28 0	23 0	32 0	23 0	3 0	22 0	160 0	160 0	110 0	W 10 0	10 0	12 0	3 13 0	3 13 0	3 4 0	Chumparun.
19 14	21 1	37 12	21 0	2 1	21 0	126 0	126 0	126 0	X 10 8	9 8	12 9	3 12 0	4 0 0	2 14 6	Monghyr.
22 11	23 0	37 14	20 3	20 3	1 7	164 0	151 8	51 8	10 4	10 11	12 10	.	.	3 0 0	Bhagulpore.
No sale		.	16 0	16 0	18 0	120 0	120 0	160 0	Y 9 0	9 0	10 8	4 0 0	4 0 0	3 8 0	Purneah.
...	..	...			.	160	160 0	120 0	9 8	9 8	12 0	4 0 0	4 0 0	3 4 0	Maldah
45 0	...	60 0	20 0	20 0	4 0	200 0	200 0	200 0	9 8	9 0	11 8	4 0 0	4 4 0	3 3 3	Sonthal Perghs.
															ORISSA.
...	...	...	19 11	19 11	17 1	80 0	80 0	80 0	8 0	8 0	14 0	4 7 0	4 7 0	2 12 0	Cuttack.
...	...	.	13 2	13 2	13 2	80 0	80 0	70 0	10 8	10 8	13 2	3 8 0	3 8 0	2 12 0	Pooree.
.	...	...	13 0	13 0	13 0	140 0	140 0	160 0	Z 9 8	9 0	10 8	3 14	4 0 0	3 4 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
18 0	15 0	35 0	17 0	15 0	20 0	320 0	320 0	320 0	8 0	8 0	10 0	4 5 0	4 5 0	3 8 0	Hazaribagh.
26 0	Not available	(Now) 48 0	(Small) 20 8	20 0	28 0	140 0	140 0	120 0	Z1 7 8	7 8	10 0	4 15 0	5 2 0	3 12 0	Lohardugga.
...	...	...	20 0	20 0	20 0	240 0	240 0	320 0	6 8	6 8	9 0	5 8 0	5 8 0	4 0 0	Singbhoom
10 0	..	...	18 0	19 0	21 0	200 0	200 0	200 0	Z2 8 0	8 0	10 10	4 0 0	4 4 0	3 6 0	Manbhoom.

W At Bettiah retail price of salt 10 seers per rupee.
X In sub divisions retail prices of salt per rupee are:—Beguserai 9½ seers and Jamui 9 seers.
Y In Kishengunge and Arrareah sub-divisions retail price of salt 9 seers per rupee.
Z At Bhudruck retail price of salt 9 seers per rupee.
Z1 At Daltongunge retail price of salt 7 87 seers per rupee.
Z2 At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in th

Number.	MARTS	Wheat.			Barley.			Rice, best sort.			Rice, common.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta	2 15 7	2 15 3	2 10 3	2 4 10	2 3 0	1 8 0	3 6 5	3 5 3	3 12 0	2 3 2	2 1 5	2 1 6
2	Serajgunge	2 2 0	2 2 0	1 12 0	..	.	...	3 8 0	3 8 0	3 10 0	2 2 0	2 2 0	2 0 0
3	Dacca	2 13 0	2 13 0	2 6 0	1 15 0	1 6 0	1 8 0	2 8 0	2 8 0	2 9 0	2 4 0	2 4 0	1 12 0
4	Naraingunge		...	..	...	...	...	2 4 0	2 0 0	2 5 0	2 0 0	1 12 0	2 2 0
5	Chittagong	3 4 0	3 1 0	3 7 0	...	...	...	3 0 0	2 12 0	3 0 0	2 3 0	2 0 0	2 2 0
6	Patna ..	2 3 6	2 5 0	2 0 0	1 12 0	1 12 0	1 5 3	3 7 0	3 7 0	3 0 0	2 4 6	2 4 6	1 14 0
7	Balasore ...	3 4 0	3 2 0	3 4 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	2 8 0	1 11 0	1 11 0	1 7 0
8	Pooree ...	...	...	...	...	...	..	...	...	...	1 15 0	1 15 0	1 14 0
9	Cuttack ...	2 10 0	3 0 0	2 2 0	...	...	...	3 10 0	3 10 0	3 10 0	2 2 0	2 2 0	2 2 0

Calcutta,
The 9th October 1888.

undermentioned Marts of Bengal on the 30*th September* 1888.

Gram, Chana Chhola, Kadalay or Sunaga. (*Cicer Arietinum*)			Indian-corn or Maize (*Zea Mays*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 2 10	2 1 7	1 11 6	2 0 0	2 0 0	2 4 0	2 1 9	1 15 8	2 0 0	0 6 1	0 6 3	0 6 9	3 6 0	3 7 1	3 0 0	Calcutta.
2 10 0	2 6 0	2 0 0	...	...	...	...	...	...	...	...	...	3 11 0	3 11 0	2 10 0	Serajgunge.
2 12 0	2 10 0	1 12 0	...	...	...	2 6 0	2 2 0	2 3 0	0 5 0	0 5 0	0 5 0	3 14 0	3 12 0	3 3 0	Dacca.
2 4 0	2 4 0	1 15 0	...	...	...	2 8 0	2 8 0	2 5 0	0 10 0	0 10 0	0 8 0	3 12 0	3 12 0	3 0 0	Naraingunge.
3 0 0	2 14 0	2 4 0	...	...	...	3 8 0	4 0 0	4 4 0	0 5 0	0 5 0	0 8 0	3 14 0	3 14 0	4 8 0	Chittagong.
1 14 0	1 15 6	1 4 9	1 12 0	...	1 2 6	1 9 0	1 9 0	1 7 0	0 3 9	0 3 9	0 5 0	3 10 0	3 10 0	3 1 6	Patna.
2 14 0	2 5 0	2 6 0	...	...	...	3 0 0	3 0 0	3 0 0	0 5 0	0 5 0	0 4 6	3 14 0	4 0 0	3 4 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 8 0	3 8 0	2 12 0	Pooree.
2 2 0	(Kalai). 2 2 0	2 2 0	...	...	...	2 0 0	2 0 0	2 2 0	0 8 0	0 8 0	0 8 0	4 7 0	4 7 0	2 12 0	Cuttack.

Published for general information.

P. Nolan,
Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

STOCK IN HAND AS COMPILED ON—

Names of Marts.	1st week of Oct 1887	1st week of Nov 1887	1st week of Dec 1887	1st week of Jan 1888	1st week of Feb 1888	1st week of Mar 1888	1st week of April 1888
	Mds	Mds	Mds	Mds	Mds	Mds	Mds
Balughatta	5 13,000	4 06 000	3 42 000	3 97 [illegible]	7 64 [illegible]	8 54, 00	10 07 000
Ooltadanga	66 100	63 900	70,400	78 000	75 900	87,70[illegible]	1 64 20[illegible]
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpi Ghât.	6,14 500	6 12,1[illegible]0	[illegible], 7 800	5 74,500	4 82 200	6 00,100	6,01,500
Pathuriaghatta Posta and Jorabagan	3 000	4,000	5,0[illegible]	5 [illegible] 0	4 0	3,700	5 000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1,09 500	99 400	88,100	1 20,7[illegible]	1,47 600	1 95,100	1,36 600
21 Minor Bazars (estimated) .	2 40,000	2,40,000	2,40,000	2 40,0[illegible]	2,40 000	2,40 000	2,40 000
Other retail shops 3,189 in number (estimated)	2,50 000	2,50,000	2 50 000	2,50,000	2 50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreswur, and Chandernagore	40,759	30,616	21,031	27,629	12,194	9,277	12,842
Total ..	19 36 859	17,66,016	16,44,331	16,93,129	19 05 894	22,48 877	25,37 142
On Railway premises on both sides of the river.	6 722 (on 10th October 1887)	7 6 6 (on 4th Nov 1887)	4 532 (on 5th Dec 1887)	1[illegible] 026 (on 4th January 88)	13 458 (on 3rd Feb 1888)	2[illegible] 936 (on 3rd March 1888)	22 945 (on 4th April 1888)
On boats unloaded ... By Port Commissioners' returns.	43 4[illegible] (4th to 6th October 1887)	23 645 (1st to 3rd Nov. 1887)	45 458 (1st to 3rd Dec. 1887)	8[illegible] 8[illegible] (on 3rd to 5th January 88)	83 751 (1st to 3rd Feb 1888)	7[illegible] 3 (1st to 3rd March 1888)	46 846 (1st to 3rd April 1888)
On boats unloaded ... By Canal returns	52 320 (1st to 3rd October 1887.)	45 191 (1st to 3rd Nov 1887)	51 327 (1st to 3rd Dec. 1887)	1 42 639 (1st to 3rd January 88)	2 13 833 (1st to 3rd Feb 1888)	1 91 [illegible]87 (1st to 3rd March 1888)	85 659 (1st to 3rd April 1888)
Grand Total of Stocks ...	19,39,367	18,42,468	17,45,646	19,40,659	23,06 916	25,33 4[illegible]3	26,91,992
Probable stock available for exportation by sea.	8½ lakhs	8 lakhs	7½ lakhs	9½ lakhs	12½ lakhs	14½ lakhs	16½ lakhs

Names of Marts.	1st week of May 1888	1st week of June 1888	1st week of July 1888	1st week of August 1888	1st week of Sept 1888	1st week of Oct. 1888.
	Mds	Mds	Mds	Mds	Mds	Mds.
Balughatta	9 4 [illegible]	8 66 000	7 07, 00	6 45 000	5,87 000	3 63,000
Ooltadanga	1 [illegible] 0	1,43 30	1 34 400	1 10 400	96 100	76 200
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpi Ghât.	6 73 [illegible]	6,49 9[illegible]	6,17,[illegible]	5 90,800	5,60,500	7,14 900
Pathuriaghatta Posta and Jorabagan	4 0[illegible]	4 00[illegible]	3 70[illegible]	4 000	3,000	2,000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1 44,700	1,44 500	1,32 800	1,08,400	59 600	1,03 300
21 Minor Bazars (estimated) .	2 40 000	2 4[illegible] 000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops 3,189 in number (estimated)	2,50 000	2,50 000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreswur, and Chandernagore	13,210	15,687	14,455	51,646	34,012	27,945
Total ..	24,10,910	23,13 387	20,99,9[illegible]5	20,00 246	18 60,412	17,77,345
On Railway premises on both sides of the river.	8,[illegible]90 (on 4th May 1888)	7 458 (on 4th June 1888)	7 634 (on 4th July 1888)	2 [illegible] (on 4th August 1888)	[illegible] 7 (on 4th September 1888)	14 112 (on 4th October 1888)
On boats unloaded ... By Port Commissioners' returns.	14 021 (1st to 3rd May 1888)	30 672 (1st to 3rd June 1888)	3[illegible]7 (1st to 3rd July 1888)	52 [illegible]44 (1st to 3rd August 1888)	4[illegible] [illegible]7 (1st to 3rd September 1888)	86,34[illegible] (1st to 3rd October 1888)
On boats unloaded ... By Canal returns	46 7[illegible]8 (1st to 3rd May 1888)	25 540 (1st to 3rd June 1888)	28 366 (1st to 3rd July 1888)	38,091 (1st to 3rd August 1888)	52 2 5 (1st to 3rd September 1888)	81,767 (1st to 3rd October 1888.)
Grand Total of Stocks ...	24,[illegible]9,949	23,83,057	21,72,732	20 93,236	19,84,351	19,09,586
Probable stock available for exportation by sea.	14½ lakhs	13½ lakhs	11½ lakhs.	10½ lakhs.	9 lakhs	8½ lakhs.

STATISTICAL DEPARTMENT,

The 6th October, 1888.

P. NOLAN,

Secy. to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of September 1888.

	Inches.	Date.	Hour.
The mean pressure of the month	29·739		
The average pressure of September from 24 years' registers ...	29·682		
The highest pressure in the month	29·935	20th	10h.
The lowest pressure in the month	29·542	15th	16h.
The range of pressure	0·393		
	Hours.		
The total number of hours of bright sunshine during the month	160·2		
The maximum possible number of hours of sunshine ...	367·0		
	⊖		
The mean temperature of the month	82·9		
The average temperature of September from 24 years' registers	83·3		
The highest temperature in the month	91·3	15th.	
The lowest temperature in the month	75·2	18th.	
The range of temperature during the month	16·1		
The mean daily range of temperature	9·9		
The greatest range of temperature in one day	12·9	28th.	
	Per cent.		
The mean humidity of the month	86		
The average humidity of September from 24 years' registers ...	85		
	Inches.		
The mean vapour tension of the month	0·966		
The average vapour tension of September from 9 years' registers	0·987		
The mean cloud proportion of the month	6·49		
The average cloud proportion of September from 11 years' registers	7·22		
	Inches.		
The total rainfall of the month	9·97		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the guage about 52 feet above the ground)	9·90		
The average fall of September from 48 years' registers ...	10·18		
The greatest fall in 24 hours	2·32	1st.	
	Days.		
The number of rainy days in the month	16		
The average number of rainy days in September from 24 years' registers	21		
	⊖		
The mean maximum equilibrium temperature of solar radiation during the month	143·6		
The mean difference of sun and air temperatures	55·9		
The greatest sun temperature	159·0	21st.	
The greatest excess of sun over air temperature	70·2	21st.	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	75·4		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	2·4		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	4·2	5th & 21st.	
	Miles.		
The mean movement of the wind per day	68·5		
The greatest movement of the wind in one day	283·0	16th.	
The greatest movement of the wind in one hour	18·0	21st, noon to 1 P.M.	

The number of hours with winds from each of the 8 points—

N. 82, NE. 18, E. 66, SE. 152, S. 87, SW. 116, W. 48, NW. 49, Calm 152.

The results of observations at the Alipore Observatory are not rigorously comparable with he registers of past years (at the Park-street Observatory). The barometer is about 3 feet igher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of emperature is also greater at Alipore, and the mean temperature apparently equal; and finally, the hermometer which furnished the record of temperature at the Surveyor-General's Office during 0 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the tandard of reference at the present Observatory.

W. L. DALLAS,

For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;

Calcutta, the 8th October 1888.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·811	29·823	—	NW	178·0	95·1	1st, 2nd Oct.	73·1	2nd Oct.	93·3	74·9	84·1	—	81·42
		Gopalpore ...	29·781	29·831	—·019	NW	219·0	95·7	2nd ,,	78·3	4th ,,	93·6	79·4	86·5	+3·2	89·1
		False Point ...	29·804	29·825	—·031	N	161·0	94·0	1st ,,	75·1	1st, 3rd Oct.	91·3	76·2	83·8	+1·0	87·9
	Cuttack	Cuttack ...	29·760	29·841	—·008	W	38·0	95·9	2nd ,,	76·3	1st, 4th Oct.	93·8	77·1	85·5	+1·2	87·7
	Balasore	Balasore ...	29·782	29·840	—·029	NNW	95·2	96·4	2nd ,,	73·8	1st ,,	91·7	75·9	83·8	+1·9	86·1
South-West Bengal.	South-West Midnapore South 24-Pergunnahs	Saugor Island	29·798	29·824	—·037	NNW	189·0	91·7	1st ,,	76·5	4th ,,	89·6	79·1	84·4	+1·0	85·4
	Midnapore	Midnapore ...	29·691	29·841	—·042	N	67·7	92·3	29th Sept., 1st & 3rd Oct.	74·8	1st ,,	91·6	76·0	83·8	+1·6	87·2
	24-Pergunnahs ... ... Howrah ... ... Hooghly	Calcutta ..	29·804	29·825	—·042	NE	48·0	91·5	3rd ,,	75·7	3rd ,,	89·9	77·6	83·8	+1·2	86·4
	Burdwan	Burdwan ..	29·729	29·829	—·028	NE	33·4	93·1	3rd ,,	78·4	30th Spt. 3rd to 5th Oct	92·2	79·0	85·6	+1·7	86·5
	Bankoora	Bankoora ..	29·675	—	—	NW	59·7	93·1	1st ,,	75·1	30th Sept., 1st Oct.	92·2	75·8	84·0	—	87·5
	Beerbhoom ... ... West Burdwan	Raneegunge ..	29·508	29·814	—·010	NW	66·9	93·0	3rd ,,	74·9	1st & 3rd Oct.	92·0	75·9	84·0	+1·5	87·3
	Moorshedabad	Berhampore ..	29·766	29·833	—·017	Northerly	50·8	92·7	3rd ,,	75·3	29th Sept.	90·6	77·8	84·2	0	86·8
	Nuddea	Krishnaghur...	29·784	29·850	—·039	NW, NE	69·2	92·8	3rd, 5th Oct.	75·8	1st & 5th Oct.	91·5	76·8	84·2	+1·6	86·8
	Jessore ... ... Khoolna	Jessore ...	29·797	29·830	—·021	South-easterly.	144·5	92·3	29th Sept., 1st, 2nd, 5th Oct.	77·5	3rd ,,	91·6	79·6	85·6	+1·8	87·0
East Bengal.	Chittagong	Chittagong ..	29·748	29·837	—·042	?	45·0	91·7	2nd ,,	73·5	3rd Oct.	89·1	76·7	82·9	+1·2	85·6
	Chittagong Hill Tracts	Demagiri ..														
	Backergunge	Barrisal ..	29·814	29·826	—·038	Easterly	44·1	91·3	2nd, 5th Oct.	75·3	3rd ,,	90·4	77·2	83·8	+1·7	85·6
	Noakholly	Noakholly ...														
	Furreedpore	Furreedpore .	29·802	29·841	—·031	SE	35·0	90·5	2nd, 3rd & 5th Oct.	73·9	3rd ,,	89·7	77·8	83·8	+2·0	85·4
	Dacca	Dacca ..	29·800	29·822	—·024	Easterly	58·0	92·1	2nd & 5th Oct.	73·1	3rd ,,	91·0	77·6	84·3	+ [illegible]	87·[illegible]
	Commillah	Commillah ..	29·806	29·827	—·019	Easterly	37·2	93·3	5th, ,,	74·8	30th Sept.	90·9	[illegible]	83·4	+0·9	85·3
	Mymensingh	Mymensingh	29·789	29·838	—·019	ENE	58·5	90·3	2nd to 5th Oct.	76·6	29th ,,	89·2	77·5	83·4	+1·1	86·[illegible]
North Bengal.	Bogra	Bogra	29·750	29·813	—	Calm	27·5	92·3	3rd ,,	76·8	29th, 30th Spt., 1st Oct.	91·2	77·2	84·2	—	87·1
	Pubna	Serajgunge	29·779	29·825	—·037	ENE	35·0	92·1	3rd ,,	75·7	1st ,,	9[illegible]·8	77·1	83·8	+1·4	86·[illegible]
	Rajshahye	Rampore Beauleah.	29·764	29·834	—·018	North-easterly.	74·7	92·8	3rd ,,	76·8	30th Sept., & 5th Oct.	90·2	77·7	84·0	+1·9	87·9
	Maldah	Maldah ..	29·745	—	—	NE	152·7	92·0	5th ,,	74·5	1st ,,	91·4	76·7	84·1	—	88·4
	Dinagepore	Dinagepore ..	29·712	29·832	—·019	NNE	40·4	93·1	3rd ,,	76·1	30th Sept.	91·5	77·7	84·6	+1·8	88·0
	Rungpore	Rungpore ..	29·706	29·830	—·059	NE	61·9	93·3	3rd ,,	75·7	4th, 5th Oct.	92·1	76·8	84·5	+2·7	86·3
	Julpigoree ... ... Cooch Behar	Julpigoree ...	29·562	29·848	—·024	SE, E	40·9	92·0	4th ,,	71·8	4th ,,	90·0	74·4	[illegible]2	+2·3	86·3
	Darjeeling Hill Tracts ...	Darjeeling	23·043	—	—·008	ENE	80·0	68·6	5th ,,	51·1	30th Sept.,	65·0	52·4	59·0	+1·5	62·3
North Behar.	Purneah ... ... North Bhagulpore	Purneah ..	29·720	29·846	—·010	NE	38·3	92·7	4th ,,	76·8	29th ,,	91·3	7[illegible]·1	[illegible]4·2	+1·3	88·8
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga ..	29·686	29·853	+·008	SE	47·7	90·4	4th, 5th Oct.	78·3	5th Oct.	90·0	79·7	84·9	+2·1	85·7
	Chumparun	Motihari ...	29·610	29·836	—·004	Calm	58·1	93·7	2nd to 5th Oct.	71·8	5th ,,	93·1	73·5	83·3	+2·3	89·2
	Sarun	Chupra ..	29·854	29·845	+·023	South-westerly	70·1	90·5	1st, 4th Oct.	75·6	1st ,,	89·[illegible]	76·7	83·0	[illegible]	85·9
South Behar.	Shahabad	Dehree ..	29·507	29·860	+·005	WNW	153·2	95·3	5th ,,	?	—	92·[illegible]	?	?	?	[illegible]7·3
		Buxar ..	29·616	29·858	+·011	Westerly	82·5	92·4	3rd ,,	73·3	30th Sept.	[illegible]	76·0	83·3	—0·6	87·7
		Arrah ..	29·656	29·854	+·013	Westerly	30·4	92·9	4th ,,	73·6	30th ,,	92·1	75·0	83·6	+1·0	86·8
	Gya	Gya ..	29·482	29·858	+·015	Calm	49·5	92·9	2nd, 5th Oct.	72·8	30th ,,	93·3	74·8	83·6	—0·3	84·8
	Patna	Bankipore ...	29·670	29·853	+·018	W	25·6	97·5	5th ,,	70·2	30th ,,	93·2	78·1	85·7	+1·7	91·0
	South Bhagulpore ... ... Monghyr	Bhagulpore ..	29·679	29·842	—·007	North-westerly.	44·0	91·7	4th ,,	73·0	30th ,,	90·8	77·[illegible]	84·0	+2·0	88·4
	Sonthal Pergunnahs ...	Doomka ..	29·337	—	—	ENE	45·3	92·1	3rd ,,	73·8	30th Sept., 1st Oct.	91·0	75·4	83·2		87·2
Chota Nagpore.	Hazaribagh	Hazaribagh .	27·864	29·866	+·028	N	175·6	86·5	1st ,,	67·2	3rd ,,	85·9	69·1	77·5	—0·2	80·7
	Lohardugga ... ... Manbhoom	Ranchee ...	27·732	29·845	+·001	NNW	?	86·5	1st ,,	66·4	3rd ,,	85·3	68·4	77·1	+0·5	81·4
	Singbhoom	Chyebassa ...	29·08[illegible]	—	—	N	24·7	91·3	3rd ,,	70·7	30th Sept.	90·5	73·6	83·1		86·0
Assam.	......	Sibsagar ...	29·562	29·807	—·006	NE	46·0	91·1	3rd ,,	72·5	1st Oct.	87·9	74·4	81·2	+0·2	82·4
	......	Dhubri ...	29·726	29·853	—·037	ENE	165·3	88·7	29th Sept.	75·8	29th Sept., 1st Oct.	87·7	76·2	81·9	+1·2	83·7
	......	Silchar ...	29·730	29·835	—·063	Calm	50·6	95·6	2nd, 5th Oct.	73·8	3rd & [illegible] 3rd ,,	92·0	75·0	83·4	+1·6	86·6

...or the week ending Friday, the 5th of October 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of September. Mean for district.	Since 1st of September. Normal mean.	Since 1st of September. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	Districts.	Meteorological Division.
70	4·4	1·24		1·91		11 67			45·75			2·9	Pooree ...	Pooree	Orissa.
61	2·7	0·30	—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
69	5·1	1·30	—	—	—	—	—	—	—	—	—	—	False Point ...		
61	4·3	0·90		1·68		10·70			45·57			2·5	Cuttack ...	Cuttack	
75	3·0	1·38		1·85		12·06			47·28			2·4	Balasore ...	Balasore	
78	[illegible]	0·60	1·82	1·69	9·79	12·40	−2 70	52·73	54·32	−1·59	3·0	2·3	Saugor Island ...	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
70	1·7	Nil	1·09	0·92	11·57	8 72	−2·85	60·93	46·90	+14·03	1·3	1·8	Midnapore ...	Midnapore	
71	3·1	0·65	1·40	1·13	9 04	9·12	−0·08	59·70	46·96	+12·72	1·5	2·4	Calcutta ...	24-Pergunnahs... ...; Howrah ... ...; Hooghly	
70	1·9	0·07	0 23	1·05	6·81	8 39	−1·58	52·68	42·57	+10 11	1·3	1·6	Burdwan ...	Burdwan	
68	1·6	0·20	0·31	1·27	6·31	9·06	−2·75	50·85	48 33	+2·52	1·0	2 3	Bankoora ...	Bankoora	
60	2·6	0·11	0·21	1·12	7·72	10 54	−2·82	54·78	48·08	+6·70	6·8	2·0	Raneegunge ...	Beerbhoom ... ...; West Burdwan ...	
73	4·1	0·55	1·09	1·25	8 04	11 21	−3 17	44 48	46·28	−1·80	1·5	2·3	Berhampore ..	Moorshedabad... ...	
72	4·9	0·89	1·40	1·17	7 56	9 43	−1·65	51·33	44·92	+6·41	1·6	2·0	Krishnaghur ...	Nuddea	
77	5·3	0·19	0·88	1 17	5·92	9·71	−3·79	41·92	48·44	−6·52	1·5	2·0	Jessore ...	Jessore ... ...; Khoolna	
81	5·4	0·25		2 10		16 06			105·47			2·8	Chittagong ...	Chittagong	East Bengal.
				2 44		14 32			72 44			3·0	Demagiri ...	Chittagong Hill Tracts	
80	5·1	1·62		1 62		13·19			70·06			2·9	Barrisal ...	Backergunge	
				2·05		18·41			98·42			3 6	Noakholly ...	Noakholly	
76	2·9	0·24		1 25		10 33			51 36			2 3	Furreedpore ...	Furreedpore	
76	5·0	0·91	0 96	1 32	7·96	11·28	−3·32	54 05	54 84	−0·79	2·0	2·3	Dacca ...	Dacca	
78	2·0	0·93		1·57		12 69			63 61			2 5	Commillah ...	Commillah	
77	3·6	0·24	0 96	1·98	10·48	14·14	−3·66	63·34	62 14	+1·20	1 0	2 3	Mymensingh ...	Mymensingh	
73	1·3	Nil	Nil	1 45	6·10	11·48	−5·38	42·28	53·06	−10·78	0·0	2·0	Bogra ...	Bogra	North Bengal.
75	1·4	Nil	0·62	1·13	4·19	11 20	−7 01	39 98	48·73	−8·75	0·5	1·8	Serajgunge ..	Pubna	
72	2·7	1 73	0 83	1 31	11·37	12 31	−0 94	42 87	49 47	−6·60	0 5	2 2	Rampore Beauleah	Rajshahye	
69	0·6		Nil	1·23	6 46	11 93	−5·47	38·15	50 63	−12·48	0 0	2·0	Maldah ...	Maldah	
70	0 7	Nil	0 12	1·58	6 28	12·53	−6·25	44 61	54·28	−9·67	0·2	2·2	Dinagepore .	Dinagepore	
75	0·3	Nil	0·09	1 99	8 47	14 78	−6 31	54·73	69 54	−14·81	0·3	2·1	Rungpore ...	Rungpore	
74	0·3	Nil	0·15	2 82	8·91	24 07	−15·16	84 65	107·03	−22·38	0·4	2 8	Julpigoree ...	Julpigoree ... ...; Cooch Behar	
83	3·4	0 04	0·06	2 78	14 33	20·90	−6·57	95 57	115·90	−20·33	1·2	3·0	Darjeeling .	Darjeeling Hill Tracts	
71	0·7	Nil	Nil	1·23	6 95	13 38	−6·43	47·42	55·38	−7 96	0·0	1·7	Purneah ...	Purneah ... ...; North Bhagulpore ...	North Behar.
			Nil	0 92	3 66	9·67	−6·01	39·10	39 95	−0·85	0·0	1·3	Mozufferpore ..	Mozufferpore	
73	0·4	Nil	Nil	1·14	5·27	10 18	−4·91	38·48	41 92	−3·44	0·0	1·2	Durbhunga ...	Durbhunga	
66	2·0	Nil	Nil	1 64	7·63	10·60	2 97	40·77	43 65	−2·88	0·0	1·4	Motihari .	Chumparun	
64	0·9	Nil	Nil	1·99	8·26	9·25	−0 99	37 20	39 38	−2·18	0·0	1 7	Chupra ..	Sarun	
68	0	1·38											Dehree ...	Shahabad	South Behar.
62	0·4	0 80	0·43	0 96	8·25	7 89	+0·36	41·42	36 20	+5·22	0·6	1·3	Buxar ...		
65	1·0	0·28											Arrah ..		
66	1·6	Nil	0·01	0·86	6·23	7·2	−1 05	48 51	38 13	+10·38	0·2	1·3	Gya .	Gya	
65	0·3	Nil	Nil	0 79	5·18	7 63	−2 45	46·03	37·73	+8·30	0·0	1·2	Bankipore ..	Patna	
67	1·0	Nil	0 28	1·07	6·82	8 78	−1·96	47·42	40 00	+7·42	0·4	1 4	Bhagulpore ..	South Bhagulpore ...; Monghyr	
65	0·6	0·27	0·31	1·12	6 67	11·01	−4·34	50·98	47·17	+3·81	1·0	1·8	Doomka ..	Sonthal Pergunnahs...	
64	3·0	0·27		1 26		10 19			47·01			2·0	Hazaribagh ...	Hazaribagh	Chota Nagpore.
66	4·1	Nil	Nil	0 82	7·93	9 74	−1·76	49·71	45·26	+4·45	0 0	1 5	Ranchi ...	Lohardugga	
			0 39	1 10	7 68	8·45	−0·77	45·52	43·46	+2·06	1 5	1·7		Manbhoom	
64	3·0	Nil	0·05	1·07	5·37	8·95	−3 58	39·79	47·92	−8·13	1·0	1·9	Chyebassa ...	Singbhoom	
53	6 9	1·04											Sibsagar ..	... ..	Assam.
78	1·3	Nil											Dhubri	......	
71	3 7	0·24											Silchar	......	

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.
...denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means ...years. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the sub-divisional

* Mean of 6 days.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 5th of October 1888.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 29th September.	Sunday, 30th September.	Monday, 1st October.	Tuesday, 2nd October.	Wednesday, 3rd October.	Thursday, 4th October.	Friday, 5th October.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of September 1888.	Average total rainfall from 1st of September 1888.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	...	...	...	...	0·39	0·25	...	2	0·64	7·41	11·13	31·58	[illegible]
		Khurdah ...	...	...	...	...	0·23	0·10	...	2	0·33	10·60	11·70	38·40	46·56
		Banpur ..	...	...	...	...	1·12	0·01	...	2	2·03	9·20	11·84	32·98	49·67
		False Point ...	...	...	...	...	...	1·47	0·37	2	1·84	10·77	12·03	49·73	51·19
		Gop ...	...	...	...	...	0·70						?		?
		Pipli .	...	...	...	...	...	...	...	Nil	Nil	12·48	?		?
	Cuttack	Jagatsingpore											9·73		39·54
		Banki ...	...	...	...	...	0·68	...	0·08	2	0·46	7·96	11·48	41·18	[illegible]
		Cuttack ...	...	...	...	...	1·23	0·12	0·03	3	1·38	11·41	11·10	49·83	[illegible]
		Kendrapara ...	...	...	...	...	...	...	0·40	1	0·40	5·62	10·25	42·98	45·95
		Jajpore ...	...	...	...	...	2·05	...	...	1	2·05	18·07	10·97	58·66	48·23
		Dharmsala ..	...			1·30							?		?
		Salipore ...											?		?
	Balasore ..	Chandbali ...	...	...	...	...	...	0·20	0·05	2	0·25	9·05	10·93	47·93	44·02
		Bhuddruck ...	...	...	...	...	1·15	0·06	...	2	1·21	9·02	11·50	46·44	[illegible]
		Sorah ...	...	...	...	...	1·00	...	0·51	2	1·51	11·02	12·50	46·44	45·73
		Balasore ..	...	...	...	0·68	0·45	...	0·95	3	2·08	18·90	13·00	56·55	50·70
		Jellasore ..											11·19		47·86
		Baripodah ...	...	...	...	...	0·67	...	...	1	0·67	10·29	13·28	53·65	[illegible]
SOUTH-WEST BENGAL.	Midnapore ..	Contai ...	...	...	...	...	0·20	...	0·60	2	0·80	10·43	12·19	52·14	[illegible]
		Saugor Island	...	...	...	0·08	0·52	...	0·07	3	0·67	6·90	13·13	40·82	57·23
		Tumlook ...	...	...	...	...	...	...	1·40	1	1·40	13·80	8·87	64·80	46·29
		Midnapore ...	...	...	...	...	0·16	...	1·50	2	1·66	9·22	7·84	62·06	[illegible]
		Ghattal ...	...	...	...	...	0·22	...	...	1	0·22	11·69	9·44	55·92	50·74
		Kukrahaty ...	...	...	...	1·28	...	...	1·45	2	2·73	12·61	?	64·64	?
		Hersa ...	0·15	...	...	0·41	0·40	...	0·36	4	1·38	11·88	?	51·69	?
		Bhagwanpore	0·20	...	...	...	0·10	0·05	0·42	4	0·77	9·72	?	46·55	?
		Garbeta ...	...	...	...	...	...	...	0·22	1	0·22	6·98	?	64·16	?
	24-Pergunnahs	Diamond Harbour ..	0·75	...	...	2·30	0·23	...	0·70	4	3·98	12·02	12·15	56·21	58·21
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	9·09	?	55·02	?
		Alipore Jail .	...	...	...	0·45	...	...	0·58	2	1·03	11·77	10·71	58·16	50·62
		Barrackpore ..	0·20	...	...	...	0·74	...	0·96	3	1·90	8·65	6·90	58·08	[illegible]
		Dum-Dum ...	...	...	...	...	...	...	0·98	1	0·98	8·40	9·51	60·41	46·91
		Baraset ..	...	...	...	...	...	...	1·42	1	1·42	10·18	8·82	62·56	44·18
		Busserhat ...	...	...	...	...	...	...	...	Nil	Nil	6·83	9·31	49·06	49·57
	Howrah ...	Howrah ...	...	...	...	0·28	...	...	0·97	2	1·25	10·25	10·22	61·37	47·46
		Mohesreka ... (*Ooloberiah.*)	...	...	...	...	...	...	1·67	1	1·67	6·48	9·51	58·08	48·22
	Hooghly ..	Serampore ...	...	...	...	1·01	0·03	...	1·29	3	2·33	10·15	8·64	67·65	[illegible]
		Hooghly ...	...	...	...	...	0·09	...	3·34	2	3·43	9·02	7·88	64·73	48·82
		Jehanabad ...	...	...	...	...	...	...	...	Nil	Nil	8·57	9·56	60·46	50·24
	Burdwan ...	Culna ..	...	...	...	...	0·27	...	0·26	2	0·53	5·17	7·54	56·48	40·16
		Burdwan ...	...	...	...	...	0·07	...	...	1	0·07	8·71	8·47	43·17	[illegible]
		Cutwa ...	...	...	...	...	0·08	...	...	1	0·08	6·53	9·15	58·37	48·73
		Raneegunge ..	...	...	...	...	0·11	...	...	1	0·11	5·36	7·99	56·40	[illegible]
		Mankur ...	...	...	...	...	0·11	...	...	1	0·11	6·02	?	41·80	?
	Bankoora ...	Bankoora ...	...	...	...	...	0·20	...	1·30	2	1·50	5·97	8·71	46·93	47·09
		Bishenpore ...	...	...	...	...	...	...	...	Nil	Nil	6·65	9·85	58·23	[illegible]
		Maliara ...	...	...	...	...	0·10	...	0·42	2	0·52	6·23	6·08	49·38	47·90
		Khatra ...	...	...	...	...	...	...	...	Nil	Nil	6·32	10·71	58·70	[illegible]
		Indas ...	...	...	...	...	...	...	...	Nil	Nil	4·70	?	40·61	?
		Kotalpore ...	...	...	...	...	...	...	...	Nil	Nil	3·48	?	46·84	?
		Anda ...	...	...	...	...	...	...	...	Nil	Nil	6·22	?	37·61	?
		Gangajalghati	...	...	...	...	...	...	1·1	1	1·17	6·95	?	55·21	?
		Raipore ...	...	...	...	...	...	...	...	Nil	Nil	4·60	?	54·57	?
		Sonamukhi ...	...	...	...	...	...	...	...	Nil	Nil	4·19	?	46·36	?
	Beerbhoom	Bh. Soory ...	...	...	...	...	0·31	...	...	1	0·31	6·81	11·01	51·17	[illegible]
		Hetampore ..	...	...	...	...	...	0·41	...	1	0·41	4·02	11·58	45·69	[illegible]
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	14·62	11·60	65·90	47·36
		Bolpore ..	...	...	...	0·81	...	...	0·39	2	1·20	6·94	?	58·12	?
		Murarai ..	...	...	...	...	...	...	0·40	1	0·40	6·90	?	?	?
	Nuddea ...	Ranaghat ..	...	...	...	...	...	...	1·26	1	1·26	8·10	7·88	58·06	48·08
		Kishnaghur ...	0·03	...	...	...	...	0·03	4·48	3	4·54	10·88	8·68	68·24	[illegible]
		Choodanga .	...	...	...	...	...	0·20	0·52	2	0·72	6·32	10·00	50·08	46·59
		Meherpore ...	...	...	...	...	...	...	0·29	1	0·29	5·68	8·08	46·60	48·77
		Kooshtea ...	0·18	...	...	...	...	...	...	1	0·18	7·47	[illegible]	35·68	49·49
	Khoolna ..	Satkhira ...	...	...	...	...	...	...	...	Nil	Nil	5·48	9·67	56·08	[illegible]
		Bagirhat ...	0·55	...	...	...	...	...	0·60	2	1·15	5·00	10·81	49·18	55·47
		Khoolna ...	...	...	...	...	1·18	...	...	1	1·18	6·12	10·47	47·42	[illegible]
	Jessore ..	Narail ..	0·55	...	...	...	0·46	...	...	2	1·01	3·53	7·90	37·41	41·78
		Jessore ...	...	...	...	0·19	...	...	0·53	2	0·72	8·07	9·59	53·78	[illegible]
		Jhenidah ...	0·17	0·05	...	...	...	...		[illegible]	[illegible]	[illegible]	9·82	34·55	46·48
		Magoorah ...	...	...	...	...	0·20	...	1·32	3	1·63	[illegible]	9·27	40·25	[illegible]
		Bongong ...	...	...	...	...	...	...	1·20	1	1·20	6·21	10·21	45·95	47·24
	Moorshedabad	Kandi ...	...	...	...	...	...	...	0·37	1	0·37	4·70	10·46	48·84	46·08
		Berhampore ..	0·55	...	...	...	...	...	...	1	0·55	5·25	12·00	58·39	[illegible]
		Lalbagh ...	0·77	...	...	...	...	0·38	...	2	1·15	6·24	11·56	41·25	46·52
		Azimgunge ...	0·02	...	...	...	...	1·10	...	2	1·12	7·82	10·48	?	[illegible]
		Jungipore ...	...	...	...	...	...	0·02	3·20	2	3·22	11·68	11·28	44·83	45·64
		Lalgola ...	...	...	...	...	...	0·10	...	1	0·10	12·48	11·48	40·80	46·65
		Jiagunge ...	...	...	...	...	...	1·00	...	1	1·00	8·13	?	44·00	?
		Akhrigunj ...	...	...	...	...	...	...	...	Nil	Nil	10·92	?	45·39	?
		Patkabari ...	...	...	...	...	...	...	...	Nil	Nil	3·30	?	48·24	?
EAST BENGAL	Chittagong ..	Cox's Bazar ...	...	0·15	...	0·35	0·15	1·25	...	4	1·90	9·43	16·76	138·18	[illegible]
		Chittagong ...	...	...	...	...	0·09						15·83	...	87·14
		Kutubdia ...											?		?
		Satkanya ...											?		?
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	...	0·35	0·03	0·04	3	0·42	9·56	14·90	70·16	75·81
		Ruma ...											13·73		68·10
	Backergunge	Patuakhally ..	...	...	...	...	...	...	...	Nil	Nil	4·78	14·28	77·89	[illegible]
		Perozepore ...	...	...	...	...	0·25	...	...	1	0·25	8·12	12·37	60·57	65·62
		Burrisal ...	0·09	...	...	0·11	0·81	...	0·29	4	1·30	6·83	12·47	57·39	[illegible]
		Bhola ...	0·90	...	...	0·65	...	...	...	2	1·55	9·11	13·76	60·62	75·86

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 5th of October 1888—*contd.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 29th September.	Sunday, 30th September.	Monday, 1st October.	Tuesday, 2nd October.	Wednesday, 3rd October.	Thursday, 4th October.	Friday, 5th October.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of September.	Average total rainfall from 1st of September.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—*concld.*		*Gournaddi* ..	0·08	......	......	0·14	0·58	... ..	0 29	4	1·09	6·33	?	47·76	?
		Bauphal ..	0·02	... ..	.....	......	0·11						?		?
	Noakholly	Noakholly ..	0·34	......	... ..	......	0·62						19·37		99·42
		Fenny .	.. .	......	.....	......	0·20						17·45		97·41
		Harishpore ...	1 88										?		?
		Ramganj ..	0·75	......	......	.... .	0 75						?		?
	Furreedpore	Madaripore ..											9·32		51·06
		Furreedpore .	. .	... ..	... ..	... ..	0·25	... ..	0 47	2	0·72	9·46	9 83	51·48	51·84
		Goalundo .	0 07	......	... ..	... ..	0 20	... ..	0·11	3	0·33	5·23	9·53	43·36	48·07
	Dacca ...	Munshigunge	0·34	.. ..	......	. . ..	0·94	... ..	......	2	1·28	11·40	13·32	59·44	64·03
		Dacca .	0 05	. .	... ..	. . ..	0·38	..	......	2	0·41	7·39	10·80	50·70	54·31
		Narainganj	..	......	......	.	1·30	. ...	. .	1	1·30	8·42	12·21	60·97	55·03
		Manickganj	.	... ..	......	0·01	0·35	......	0·41	3	0·77	4·71	8·08	45·12	45·60
		Joydebpore ..	0·05	0·05	... ..	...	0 43	... ..	0·01	4	0·59	4·52	?	57·73	?
	Hill Tipporah	Agartola ..											11·58		55·52
	Tipperah .	Comilla ..	0 17	. .	... ..	0·07	0 18	0·16					12 19		70·43
		Chandpore .	.	. . ..	. ..	.	0·14						14·55		72·18
		Brahmanbaria	1 43	......	.	... ..	1 26	. .	... ..	2	2·71	13·44	12 13	66·11	55·57
		Ramchandrapore.	0 94	......	. ..	.. ..	0·07	0·30	.. ...	3	2·13	11·72	?	57·14	?
		Nasirnagar ..	1 80	.. ..	.... .	.... .	0·80	......	0 50	3	3 10	13·13	?	53·64	?
		Daudkandi ..											?		?
		Kasba ..	0·50										?		?
		Laksham ..	. . .	.....	... ..	.. ..	0 82						?		?
	Mymensingh	Kishoreganj	0·83	. . .	... ..	..	... ..	.... .	....	1	0·83		14·52		64·82
		Atia (*Tangail*)		.. .	... ..	1 00	.	. . ..	1·70	2	2·70	5·16	10 55	85 84	50·45
		Mymensingh	0 43	. .	. .	... .	......	. . ..	.	1	0 43		15 19		63 30
		Jamalpore	..	..	. ..	. . .	.. ..	... .	0 84	1	0·84	7·76	15 21	62·34	60·35
		Netrokona	... ..	. ...	... ..	... ..	... .	......	..	Nil	Nil	10 58	15·20	74·76	66·69
		Subornakhali	.. .	.....	... ..	......	.	... ..	1 17	1	1 17	10 69	?	88·32	?
		Durgapore		. ..	. ..	. ..	. ..	. ..	.. ..	Nil	Nil	12·51	?	93·91	?
		Dewanganj ..	0·20	......	......	. ...	....	......	......	1	0·20	4 00	?	50·20	?
NORTH BENGAL.	Pubna ..	Pubna ..	... ..	.. ..	... ..	......	. . ..	... ..	.. ..	Nil	Nil	4 65	11 97	38·71	40·42
		Seraiganj ..	......	.....	...	......	... .	... .	1 23	1	1·23	3 63	10·44	41·41	47 98
	Bogra ..	Sherpore ..	.. ..	......	......	. ...	..	......	... .	Nil	Nil	6 83	11·11	38 70	53·24
		Nowkhilla ..		.....	... ..	......	.. .	... ..	... .	Nil	Nil	5·15	11·31	47·84	50·11
		Bogra ..	.. .	.. ..	...	......	.. .	... ..	. .	Nil	Nil	5·60	11 51	40·10	51·53
		Panchbibi .	... .	......	. ..	.. . .	......	... ..	. .	Nil	Nil	7 25	11 98	44·33	52·24
	Rajshahye .	Beauleah ..	.	......	. ..	... ..	...	1 06	.	1	1·06	9 41	12·05	30·41	49·53
		Nattore ..	...	......	.	. ..	. ..	. ..	... ..	Nil	Nil	16 30	12 59	59·28	50 38
		Naogaon ..	0 19	.	.. ..	... .	..	.. .	.	1	0·19	9 13	?	35·61	?
		Lalpore ...	......	...	......	... ..	......	...	... ..	Nil	Nil	8 81	?	38·37	?
		Manda ..	. . .	.. ..	......	. ...	.. ..	. .	... ..	Nil	Nil	4 41	?	28·01	?
	Maldah ...	Maldah ..	......	... ..	.....	......	.... .	......	. . ..	Nil	Nil	6 05	12 31	45·56	47·58
		Chanchal ..	... ..	.. ...	. ..	. . ..	.....	.. . .	... .	Nil	Nil	5·98	11 32	30·73	53·65
		Gajol ..	..	... ..	......	.. .	. ..	... ..	..	Nil	Nil	6 80	?	35·85	?
		Sibganj ..	... .	. . ..	. . ..	.. ..	......	... ..	... ..	Nil	Nil	7 64	?	44·55	?
	Dinagepore ...	Mohadebpore	... ..	......	.... .	. . ..	. .	... .	0·60	1	0·60	4·73	13·00	37·04	55·50
		Churamon ..	... ..	......	......		...	... .		Nil	Nil	10 90	13 18	43 84	50·69
		Raiganj ..	....	......	......	... ..	. . ..	... ..	..	Nil	Nil	7·26	12 10	48 03	56 28
		Dinagepore	...	. . ..	......	. . ..	. ..	.	.. ..	Nil	Nil	4 90	12 77	56 41	59·85
		Balurghat	...	.. . ..	... ..	......	.. .	. . .	.. .	Nil	Nil	3 48	11 49	37 85	49 96
		Thakoorgaon	... ..	......	......	... ..	.. ...	.. ..	. ..	Nil	Nil	8·36	?	?	?
	Rungpore ...	Bhawaniganj (*Gyabanda*)	0·35	... ..	......	......	......	... ..	......	1	0 35	6·60	13·48	44·90	67·34
		Rungpore ..	. . ..	....	... ..	.. ..	... .	... .		Nil	Nil	7 51	14 70	50·55	69·93
		Kurigram ..	...	. ..	... ..	. ..	......	... .		Nil	Nil	13 29	13 ?9	71·28	70 02
		Bagdogra (*Nilphamari*)	... ..	... ..	......	....	... ..	..	... .	Nil	Nil	0 47	17 35	52·16	81·73
		Ulipore ..	. ..	......	... ..	. . ..	...	......	......	Nil	Nil	8·44	?	52·87	?
	Julpigoree ...	Julpigoree ..	......	.	. ....	... ..	... .	.. ..	... ..	Nil	Nil	13·61	25·70	102·35	118·08
		Alipore Doar		. .	.....	......	..	......	.. .	Nil	Nil	11 02	?	70·29	?
		Fallacotta ..	..	. ....	.....	... ..	... ..	... ..	......	Nil	Nil	11 27	?	86 83	?
		Debiganj ..	. ...	......	..	... ..	.... .	... ..		Nil	Nil	4·84	?	59 93	?
	Cooch Behar..	Dinhatta ..	......	......	......	. ..	. ....	... .	.. ..	Nil	Nil	8·93	20 91	80·00	89·63
		Cooch Behar	.	......	. ..	. .	... .	... .	. ..	Nil	Nil	8 14	24 91	86 91	114 66
		Mekliganj .	0·54	... ..	... ..	. . .	... ..	. ..	. ..	1	0 54	9·21	23 38	73 84	104 84
		Matabhanga	0·22	...	......	.... .	. . ..	... ..	... .	1	0·22	5 28	25 51	71·38	113·77
	Darjeeling Hill.	Buxa ..	0·14	. ...	.	......	......	.. ...	.. .	1	0·14	23 90	35 59	149·38	184·59
		Siliguri ..	. .	......	...	......		......	... .	Nil	Nil	10·49	18 89	79 10	99 76
		Darjeeling ..	0·01	......	0·02	. ..	0·01	..	. ..	3	0·04	12·03	18 53	86 03	101·89
		Kalimpong ..	... ..	......		... .	0 06	....	... ..	1	0·06	10 84	12 24	67 83	76·48
NORTH BEHAR	Purneah ..	Kissengunge.	......	. ..	... .	. ..	.....	......	. . ..	Nil	Nil	6·36	15 19	46 70	67 41
		Arrareah ..	. .	... ..	..	... ..	. .	......	. ....	Nil	Nil	8 28	11 71	50 50	60 58
		Purneah ..	.. ..	. . ..	...	...	. ..	. ..	..	Nil	Nil	4·32	15 12	43 61	58·02
		Gondwara ..	.	... ..	... .	... .	....	.. .	..	Nil	Nil	4 65	?	?	?
		Balarampore	... ..	...	......	.. .	....	. . ..	......	Nil	Nil	8 41	?	?	?
		Mattari ..	. ..			... .	... ..	...	. ..	Nil	Nil	5 42	?	?	?
		Kaliaganj ..	..	0 52	.. ..	... .	... ..	...	... .	1	1	6·99	?	55·84	?
	North Bhagulpore.	Madhipore ..	... .	... ..	... ..	......	...	.... .	. ..	Nil	Nil	9 83	11·34	55·36	45·80
		Soopool ..	... .	.. .	. .	.. ...	.	... .	.	Nil	Nil	6 10	10 53	40 93	45 40
		Protabganj ..	... ..	... ..	......	......	.. ..	......	... ..	Nil	Nil	4·37	.	37·78	?
	Durbhunga ...	Tajpore ..	......	. ....	. ...	... ..	......	.... .	... ..	Nil	Nil	6·03	8 60	39·80	39·78
		Durbhunga ..	... ..	... ..		......	... ..		..	Nil	Nil	4·38	10 13	35·21	42 74
		Madhubani ..	......	. ....	.... .	......	.	.	. . . .	Nil	Nil	5 63	10·67	40·72	42·18
		Bahera ...	. . .	. ..	.. ...	. . .	. ..	... ..	.. ..	Nil	Nil	6 63	?	50 70	?
		Roshera ..	......	......	......	......	. .	....	......	Nil	Nil	8·27	?	42 46	?
	Mozufferpore	Sitamarhi .	......	...	......	. . ..	...	......	......	Nil	Nil	2·50	10·32	31·06	40·25
		Mozufferpore	......	....	... ..	.....	.	... ..	......	Nil	Nil	3·78	10·49	40 67	41 75
		Hajipore ...	......	.....	. . .	... ..	.. ...	......	......	Nil	Nil	4·82	8 17	45·18	38 07
		Paru ...	......	... ..	......	.	... .	... .	......	Nil	Nil	4·29	?	36 62	?
		Mahua ..	...	....	....	. . ..	......	....	. . ..	Nil	Nil	4· 6	?	36·41	?
		Sursand ...	. ....	.. ..	... ..	...	...	. ...	......	Nil	Nil	7·31	?	28 27	?
		Pupri ...	......	......	......	......	... ..	... ..	......	Nil	Nil	4·57	?	23·16	
	Chumparun ...	Motihari ..	......	......	......	......	......	......	......	Nil	Nil	6·71	10·29	85 91	41·51
		Bettiah ...	......	......	......	......	. ...	... ..	......	Nil	Nil	8·54	10·89	45 55	40 69
		Bagaha ...	......	......	.. ..	......	......	......	......	Nil	Nil	11·90	?	52 00	?
		Burharwa ...	......	......	......	......	......	... ..	......	Nil	Nil	4·07	?	38 60	?

Statement of Rainfall in Bengal for the week ending Friday (6 p m.), the 5th of October 1888—*concld.*

Meteorological Division	District.	Station.	Saturday 29th September	Sunday 30th September	Monday 1st October	Tuesday 2nd October	Wednesday 3rd October	Thursday 4th October	Friday, 5th October	Number of rainy days.	Rainfall of week.	Total rainfall since 1st of September 1888	Average total rainfall from 1st of September 1888.	Total rainfall since 15th May	Average rainfall from 15th May to date.
NORTH BEHAR —*concluded.*	Sarun	Gopalgunge								Nil	Nil	7 18	10 11	34 00	40·81
		Sewan								Nil	Nil	12 36	9 76	40 33	40 26
		Chuprah								Nil	Nil	5 34	7 86	35 25	37 09
SOUTH BEHAR	Shahabad	Buxar					0 60			1	0 60	11 85	7 98	40 74	34 84
		Dehree					1 36			1	1 36	9 20	8 48	41 92	34 91
		Bhubooah			..		..			Nil	Nil	7 0	7 36	39 57	37 45
		Sasseram								Nil	Nil	7 13	7 76	41 07	36 77
		Arrah					0 18			1	0 18	5 76	7 60	42 72	36 73
		Mohania								Nil	Nil	8 30	?	33 93	?
	Gya	Aurungabad								Nil	Nil	5 97	7 94	52 25	39 63
		Gya								Nil	Nil	7 55	7 57	49 83	39 43
		Nowadah								Nil	Nil	4 40	7 53	47 67	34 89
		Jehanabad					0 03			1	0 03	6 19	6 08	44 70	36 42
		Arwal								Nil	Nil	7 22	?	37 23	?
		Daudnagar								Nil	Nil	6 28	?	41 71	?
		Sherghatti				.	0 62			1	0 62	4 12	?	32 04	?
		Rajauli											?		?
		Pakri Barawan				.				Nil	Nil	5 14	?	37 06	?
	Patna	Patna								Nil	Nil	3 17	7 81	39 04	39 24
		Dinapore								Nil	Nil	2 70	7 60	41 39	38 15
		Behar					0 28			1	[illegible]	3 3	6 97	51 06	38 15
		Barh								Nil	Nil	11 20	8 13	52 57	36 41
		Bickram								Nil	Nil	6 3	?	37 00	?
		Hilsa					0 15			1	0 15	4 84	?	45 44	?
	Monghyr	Begooserai								Nil	Nil	7 67	7 92	45 40	38 09
		Monghyr								Nil	Nil	9 5	9 53	53 22	42 80
		Jamui					0 14			1	0 14	4 60	8 12	47 59	40 24
		Gogri								Nil	Nil	12 14	?	58 10	?
		Sheikhpura								Nil	Nil	4 54	?	59 18	?
	South Bhagulpore	Bhagulpore								Nil	Nil	6 0	8 30	52 81	39 00
		Banka					1 25			1	1 25	5 10	9 33	37 96	40 23
		Kolgong								Nil	Nil	6 00	?	49 39	?
	Sonthal Pergunnahs	Rajmehal								Nil	Nil	4 97	12 83	48 91	48 99
		Godda						0 70		1	0 70	6 11	10 23	47 16	44 19
		Pakaur						0 52		1	0 52	11 64	13 11	54 78	51 20
		Nya Dumka					0 10	0 17		2	0 27	4 41	11 60	48 39	49 14
		Deoghur					0 03			1	0 03	5 0	9 47	50 41	45 72
		Jamtara						0 55		1	0 55	7 45	8 30	54 98	45 17
		Mohagama								Nil	Nil	8 44	?	?	?
		Nunihat								Nil	Nil	1 20	?	27 13	?
CHUTIA NAGPUR.	Hazaribagh	Pachamba (*Giridi*)					0 48	2 07		2	3 15	9 33	9 63	54 59	44 27
		Hazaribagh		.			0 27			1	0 27	5 13	9 19	53 62	44 36
		Semiaguran											9 15		42 44
		Mahudi Hills			.	1 63	.	0 41		2	2 07	12 68	9 40	53 61	44 84
		Jhoomrah Hills											13 19		58 19
		Burhi				0 34				1	0 34	3 59	?	49·85	?
		Chatra					0 80			1	0 80	8 23	?	54 66	?
		Karagdeha								Nil	Nil	11 40	?	51 83	?
		Ramghur											?		?
	Lohardugga	Lohardugga								Nil	Nil	8 21	11 12	45 47	47 98
		Ranchi								Nil	Nil	7 98	9 53	52 33	48 81
		Palamow			.					Nil	Nil	7 85	8 50	51 35	39 65
		Sillee								Nil	Nil	5 30	?	?	?
		Bulumat											?		?
		Hossainabad								Nil	Nil	4 37	?	?	?
		Gurwah	.							Nil	Nil	3 72	?	46 38	?
	Singbhoom	Chyebassa							0 05	1	0 05	5 97	8 93	39 79	47 96
		Chakradharpore								Nil	Nil	10 52	?		?
		Ghatsilla							0 29	1	0 29	8 31	?	54 11	?
		Bahuragura	.							Nil	Nil	5 80	?	58 55	?
	Manbhoom	Purulia					0 05			1	0 05	9 18	8·74	55 77	45 64
		Gobindpore					0 25	0 48		2	0 73	6 17	8 13	35 20	41 47
		Raghunathpore		.			1 20		.	1	1 20	8 61	?	52 75	?
		Burrabhoom	..				0 09			1	0 09	4 85	?	50 51	?
		Jhalda											?		?
		Chas											?		?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 9th October* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 5TH OF OCTOBER 1888.

THE weather conditions of the past week displayed opposite characteristics at the beginning and at the close of the period For the first two days westerly and even north-westerly winds of light or moderate force prevailed fairly generally throughout the province, any rainfall was slight and scattered, and a moderately settled appearance was the general characteristic of the weather. On the first there were indications of a change; the wind drew into North and North-West in South-West Bengal and Orissa, into North-East in Assam and Northern Bengal, and into South-East in East Bengal, and though the weather remained fine, it became evident that a fresh inrush of monsoon winds preceded by a barometric storm was imminent. By the morning of the 4th the barometric depression had assumed a well-defined shape and position, the centre lying midway between False Point and Diamond Island. The wind circulation throughout the whole of Bengal was influenced by this depression, and was everywhere cyclonic; but owing to the increasing dryness of the atmosphere, due to the larger changes of the weather, the weather remained generally fair, and, except in Orissa, very little rain was experienced.

Pressure—Was unsteady during the week. It was decreasing on the 29th of September, increasing generally between the 30th and the 4th of October, and decreasing everywhere on the 5th. It has been about the normal for the week, though at the close it was generally falling below the average.

Temperature.—Owing to the continued absence of general rain, temperature remained high. The excess was greatest (2 0°) in North Bengal, and was considerable in Orissa, South-West and East Bengal, North Behar and Assam, while it was slight in South Behar and Chutia Nagpur. The maxima have ranged between 93° and 97°, which is rather high for the time of year

Rainfall—Has continued light In North Behar there has been no rain, and in North Bengal only an insignificant amount On the other hand, in South-West Bengal, the week's deficiency has been slight, and nearly the normal amount of rainfall has been received.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 5th of October 1888 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE						RAINFALL									
	Highest observed during week	Lowest observed during week.	Averages for week			Average mean of week above or below normal mean of week.	Of week			Rainy days.			Since 1st of September		Since 15th May.	
			Of highest of each day	Of lowest of each day.	Of mean for each day		Average.	Normal average.	Variation	Average number in week.	Normal average number in week.	Variation	Average.	Normal average	Average	Normal average.
Orissa*	98 4	73 9	92 0	77 2	84 9	+1 8	0 86	1 90	—0 94	1 2	2 5	—1 3	9 52	11 91	46 42	46 70
South West Bengal	95 1	74 8	91 2	73 5	84 4	+1 3	1 02	1 19	—0 17	1 5	2 2	—0 7	7 94	9 73	53 54	47 37
East Bengal	93 5	74 1	90 1	77 1	83 6	+1 4	0 90	1 73	—0 83	2 0	2 7	—0 7	9 10	13 28	65 90	68 02
North Bengal	93 3	71 8	91 0	76 8	83 9	+2 0	0 20	1 80	—1 60	0 3	2 3	2 0	7 44	14 97	51 89	60 46
North Behar	93 7	71 8	90 0	76 9	83 9	+1 3	Nil	1 28	—1 28	0 0	1 4	—1 4	6 42	10 88	41 44	45 42
South Behar†	97 5	72 8	91 7	76 1	83 9	+0 8	0 23	0 98	—0 75	0 5	1 5	—1 0	6 72	8 08	47 33	40 28
Chutia Nagpur	86 5‡	66 4‡	85 [illegible]‡	68 8‡	77 3‡	+0 2	0 41	1 10	—0 63	0 7	1 9	—1 2	6 81	9 63	48 38	45 97
Assam	95 6	72 5	89 2	75 3	82 2	+1 0										

* Pooree not included
† Dehree not included.
‡ Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 9th October 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipcre Observatory from 30th September to 6th October 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine	Mean pressure barometer at 32 Fahr	Temperature. Mean	Maximum	Range	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension	Dew point	Humidity	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
1888		°		Inches	°	°	°	°	°	Inches	°	%			Inches	
Sept.	30th	146 3	10 0	29 720	83 9	90 4	12 7	77 7	78 7	0 912	76 4	79	NW, N and calm ..	33	Nil	Chiefly clear, ⌓.
Oct.	1st	147 0	10 2	735	84 1	90 4	13 2	77 2	78 9	·918	76 6	79	N by W, NNW and calm.	40		Chiefly clear, ≡, ⌓
,,	2nd	153 7	6·9	746	83 6	91 4	12 5	78 9	79 5	951	77 8	83	NNW and variable	49	0 53	Partially cloudy, t, p, K, ⌓.
,,	3rd	145 5	4 1	784	81 9	86 8	11 1	75 7	79 3	967	78 2	89	NE by E, SW and calm	30	Nil	Chiefly cloudy, o, , ⌓
,,	4th	148 0	7 7	800	83 0	90 2	13 6	76 6	78 8	933	77 1	83	NNE, calm and variable	26	...	Partially cloudy, ≡, ⌓.
,,	5th	136 5	1 4	756	80 5	86 7	7 9	78 8	78 5	953	77 8	91	NNE and variable	60	0 80	Chiefly cloudy, o, g, d, t, p, ⌓
,,	6th	134 1	0 4	687	79 1	85 0	9 0	76 0	77 2	908	76 3	91	NNE and NNW	119	1 12	Cloudy, o, g, d, p, t, ⌓

	Inches
The mean pressure of the seven days	29 717
The average pressure of the corresponding period for 24 years, S. G.'s Office ..	29 749
	Hours.
The total number of hours of bright sunshine	40 7
The maximum possible number of hours of sunshine	83 0
	°
The mean temperature of the seven days	82 3
The average temperature of the corresponding period for 24 years, S. G.'s Office	83 3
The extreme variation of temperature	15 7
The maximum temperature	91·4
	Miles.
The highest velocity of the wind in one hour	13
	lbs.
The highest pressure of wind on one square foot . . .	Not measurable.
	%
The mean relative humidity	85
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	83
	Inches.
The total fall of rain from 30th September to 6th October 1888 ...	2 45
The average fall of the corresponding period for 24 years, S. G.'s Office ..	1 80
The total fall from 1st January to 6th October 1888	66·52
The average fall of the corresponding period for 24 years, S. G.'s Office ..	60 27

The mean pressure, temperature, &c , are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, K thunderstorm, ⌓ dew, ≡ fog.

W. L. DALLAS,
for Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 8th October 1888.

Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of September 1888.

		°	Date.
The mean temperature during the month	... ..	82 7	
The highest temperature during the month	... ...	9 3 0	4th & 25th.
The lowest temperature during the month	... ...	76 0	1st & 18th.
The range of temperature during the month	... ...	17 0	
The mean daily range of temperature during the month	...	11 2	
The greatest range of temperature in one day during the month	...	14 7	4th.
		°/o	
The mean humidity during the month	... ...	80	
		Inches.	
The mean vapour tension during the month	... ...	9 60	
The total rainfall of the month	... ...	11 83	
The greatest fall in 24 hours	... ...	3 76	1st.
		Days	
The number of rainy days in the month	... ...	13	

W. L. Dallas,
For Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, India;
The 8th October 1888.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 30th September to 6th October 1888.

Month	Date	Temperature: Mean	Maximum	Range	Minimum	Mean wet bulb.	Hygrometry: Vapour tension.	Dew point	Humidity.	Rain.
1888		°	°	°		°	Inches.	°	%	Inches.
September	30th	84 2	92 0	14 2	77 8	78 1	881	75 4	75	Nil
October	1st	84 8	91 6	13 6	78 0	79 0	914	76 5	73	
"	2nd	84 2	94 0	15 2	78 8	81 1	1 022	79 9	87	•
"	3rd	80 8	89 0	13 6	76 4	79 3	992	79 0	94	0 82
"	4th	82 0	91 5	14 7	76 8	79 2	961	78 0	88	
"	5th	80 1	88 0	8 7	79 3	78 1	936	77 2	91	0 58
"	6th	73 0	86 6	9 8	76 8	78 4	998	79 3	98	0 70

		°
The mean temperature of the seven days	... .	82 2
The extreme variation of temperature	... .	18 6
The maximum temperature	. . ..	94 0
		°/o
The mean relative humidity	... ...	87
		Inches.
The total fall of rain from 30th September to 6th October 1888	...	2 10

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Meteorological Office, India;
The 8th October 1888.

W. L. Dallas,
for Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

THE principal Municipalities in Bengal (excepting Dacca and Naraingunj, from which no returns have been received up to date) returned, during the week ending 22nd September 1888, the birth and death-rates of 20·3 and 30·3 per 1,000 of population, respectively, as opposed to 21·2 and 30·6 per 1,000 in the preceding week, indicating a falling off in the registration of births.

2. The highest proportions of births and deaths were returned from the following Municipalities:—

Births	Ratio per *mille*
Monghyr	47·9
Beauleah	39·4
Puri	37·8
Serampore	33·4

Deaths	Ratio per *mille*.
Gya	87·4
Monghyr	56·0
Arrah	43·1
Bali	38·6
Serampore	37·3
Suburbs of Calcutta	32·9
Darjiling	32·6
Midnapore	30·9
Mozufferpore	30·4
Bhagulpore	29·9

3. From the subjoined figures taken from the table appended to this memorandum, it appears that during the week under notice the mortality from the maladies coming under the head of "Other causes" had on the whole diminished much but no noticeable variations in fatal results occurred from the rest of the death-causes:—

	Ratio per *mille* during the weeks ending— 22nd September 1888.	15th September 1888.
Cholera	6·5	6·0
Small-pox	·1	·1
Fever	11·2	11·0
Bowel complaints	3·6	3·1
Injury	·8	·8
Other causes	8·1	9·5

4. Of the diseases indicated above, excluding small-pox and injury, the casualties from which were nowhere large, and bowel complaints, which proved notably fatal only in the Monghyr town, viz., at the rate of 12·6 per 1,000 of population, cholera, fever and "Other causes" caused the greatest loss of life in the following Municipalities:—

Cholera	Ratio per *mille*
Arrah	27·5
Gya	20·5
Mozufferpore	10·9
Chupra	10·7
Monghyr	9·9
Bhagulpore	8·1
Midnapore	7·7
Patna	7·1
Howrah	4·6
Suburbs of Calcutta	4·1

Fever	Ratio per *mille*
Darjiling	32·6
Gya	42·1
Bali	21·6
Comillah	23·1

Other causes	Ratio per *mille*
Gya	29·3
Monghyr	13·6
Mozufferpore	12·2
Serampore	11·8

5. The death-rates in relation to *Sex*, *Class* and *Age* were returned at the rates noted below:—

According to Sex	Ratio per *mille*
Males	31·1
Females	29·5
Ratio of male deaths to every 100 female deaths	119

According to Class	Ratio per *mille*
Christians	9·1
Hindus	31·7
Mahomedans	27·8
Budhists	24·8

According to Age.	Ratio per *mille*
Under 1 year	227·3
1 and under 5 years	53·4
5 „ 10 „	18·2
10 „ 15 „	11·3
15 „ 20 „	14·8
20 „ 30 „	22·6
30 „ 40 „	17·9
40 „ 50 „	21·4
50 „ 60 „	40·6
60 years and upwards	58·1

W. H. GREGG, *Dip Publ Health, Camb*,
Offg. Sanitary Commissioner for Bengal.

The 8th October 1888

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 22nd September 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
Districts.	Names of Municipalities.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	2	11	13	3·0	16·6	19·6	181	...	...	4	1	...	4	9	...	...	6·1	1·5	...	6·1	13·7	19·8	4	5	11·5	16·2	80
Midnapore ...	Midnapore ...	16,927	16,633	33,560	7	6	13	10·8	9·3	20·1	116	5	...	5	3	1	6	20	7·7	...	7·7	4·6	1·5	9·3	30·9	29·4	11	9	31·8	28·1	122
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	11	9	20	14·8	12·1	26·9	122	...	...	3	5	2	4	14	...	...	4·0	6·7	2·7	5·4	18·8	13·4	5	9	13·6	24·0	55
Serampore ...	Serampore ...	13,559	12,937	26,496	11	6	17	21·6	11·8	33·4	183	3	...	5	4	1	6	19	5·9	...	9·8	7·8	1·9	11·8	37·3	41·2	13	6	49·9	24·1	216
	Utterpara ...	3,046	2,464	5,510	1	1	2	9·4	9·4	18·9	100	...	...	...	1	...	...	1	...	...	...	9·4	...	...	9·4	9·4	...	1	..	21·1	No male death.
Howrah ...	Howrah ...	53,153	37,660	90,813	18	14	32	10·3	8·0	18·3	128	8	...	14	6	...	13	41	4·6	...	8·0	3·4	...	7·4	23·4	13·8	22	19	21·5	26·2	115
	Bali ...	7,836	6,979	14,815	3	3	6	10·5	10·5	21·0	100	2	...	7	...	...	2	11	7·0	...	24·6	...	...	7·0	38·6	17·5	4	7	26·5	52·2	57
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	33	40	73	6·8	8·3	15·1	82	20	...	61	31	2	45	159	4·1	...	12·6	6·4	·4	9·3	32·9	33·3	93	66	32·9	32·9	140
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	2	3	5	3·8	5·6	9·4	66	...	...	9	...	2	2	13	...	...	17·0	...	3·8	3·8	24·6	9·4	6	7	23·5	25·6	85
	Ranaghat ...	4,028	4,655	8,683	...	1	1	..	6·0	6·0	No male birth.	...	...	1	..	...	...	1	...	...	6·0	...	...	...	6·0	......	...	1	..	11·2	No male death.
	Santipore ...	13,708	15,979	29,687	...	1	1	...	1·7	1·7	Do.	...	...	1	...	..	...	1	...	...	1·7	...	...	...	1·7	10·5	1	...	3·8	...	No female death.
Jessore ...	Jessore ...	4,830	3,665	8,495	...	1	1	...	6·1	6·1	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12·2	...	...	..	...	....
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	4	11	15	10·5	28·9	39·4	36	...	...	5	...	2	2	9	...	..	13·1	...	5·2	5·2	23·6	31·5	3	6	14·5	34·6	50
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	3	...	3	19·6	...	19·6	No female birth.	...	...	5	...	...	...	5	...	...	32·6	...	...	..	32·6	13·0	4	1	41·4	17·6	400
Dacca ...	Dacca ...											Return not received up to date.																			
	Narsinganj ...																														
Chittagong ...	Chittagong ...	13,340	8,790	22,130	2	1	3	4·7	2·3	7·0	200	...	...	3	1	...	3	7	..	...	7·0	2·3	...	7·0	16·4	7·0	4	3	15·6	17·7	133
Tipperah ...	Comillah ...	8,153	5,355	13,508	1	5	6	3·8	19·2	23·1	20	...	...	6	..	...	1	7	...	...	23·1	...	...	3·8	26·9	15·4	4	3	25·5	29·1	133
Patna ...	Patna City ...	78,762	81,475	160,237	23	17	40	7·5	5·5	13·0	135	22	...	23	4	2	9	60	7·1	..	7·5	1·3	·6	2·9	19·5	30·8	31	29	20·5	18·5	106
Gya ...	Gya ...	38,290	37,831	76,121	24	15	39	16·4	10·2	26·7	160	30	...	47	6	2	43	128	20·5	...	32·1	4·1	1·4	29·3	87·4	99·1	66	62	89·6	85·2	106
Shahabad ...	Arrah ...	20,960	22,505	43,465	10	6	16	11·9	7·2	19·1	166	23	2	6	2	...	3	36	27·5	2·4	7·2	2·4	...	3·6	43·1	41·9	18	13	44·7	41·6	100
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	13	6	19	15·8	7·3	23·1	216	9	...	5	...	1	10	25	10·9	...	6·1	...	1·2	12·2	30·4	7·3	12	13	27·0	34·4	92
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	19	13	32	14·9	10·2	25·2	146	1	...	13	7	...	4	25	·8	...	10·2	5·5	...	3·1	19·7	24·4	14	11	21·6	17·7	127
Sarun ...	Chupra ...	26,044	27,205	53,249	7	12	19	6·8	11·7	18·5	58	11	...	3	...	2	6	22	10·7	...	2·9	...	1·9	5·9	21·5	27·[illegible]	11	11	22·0	21·0	100
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,455	14	15	29	12·7	13·6	26·3	93	9	...	15	...	...	9	33	8·1	...	13·6	...	...	8·1	29·9	31·7	17	16	20·8	29·9	106
Monghyr ...	Monghyr ...	28,164	29,362	57,526	29	24	53	26·2	21·7	47·9	120	11	...	21	14	1	15	62	9·9	...	19·0	12·6	·9	13·6	[illegible]	39·8	39	23	72·6	40·7	169
Purneah ...	Purneah ...	8,463	6,553	15,016	2	2	4	6·9	6·9	13·9	103	...	...	2	...	...	...	2	...	...	6·9	...	...	...	6·9	27·7	2	...	12·3	...	No female death.
Puri ...	Puri ...	13,247	11,537	24,784	5	10	15	16·8	21·0	37·8	50	...	...	1	1	1	4	7	...	...	2·1	2·1	2·1	8·4	14·7	18·9	6	1	23·6	4·5	600
	TOTAL ...	632,503	577,366	1,209,869	247	233	480	10·4	9·9	20·3	106	154	2	265	86	19	191	717	6·5	·1	11·2	3·6	·8	8·1	30·3	30·6	390	327	31·1	29·5	119

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorised form of age classification.

Districts.	Names of Municipalities.	Mortality according to— Class: Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Age: Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	7	2		...	...	15·4	19·1	...	...	2	..	2	...	1	...	...	3	...	1	157·6	......	44·6	......	16·6	......	......	35·3	......	35·1
Midnapore ...	Midnapore ...	...	16	2	...	...	...	36·1	14·4	...	...	2	...	4	2	..	3	2	1	2	4	149·0	......	55·5	34·2	......	21·2	18·8	14·0	50·4	113·7
Hughli ...	Hughli and Chinsurah ...	...	12	2	...	...	...	19·7	15·2	...	..	1	6	...	...	...	2	1	...	2	2	55·1	117·1	......	......	......	13·6	7·4	......	31·8	41·5
Serampore ...	Serampore ...	...	19	...	...	...	...	39·1	...	.	...	3	4	...	1	..	2	1	3	...	5	219·7	115·2	......	23·4	......	19·3	10·5	46·2	......	186·9
	Utterpara ...	...	1	..	...	...	...	9·7	...	...		1	..	...	...	..	...	...	..	...	...	325·0	......	......	......	......	......	......	......	......	......
Howrah ...	Howrah ...	...	32	9	...	...	...	24·6	22·8	...	..	11	1	2	2	2	6	6	2	7	2	277·3	9·4	16·5	13·8	14·2	13·8	16·2	8·8	66·3	27·7
	Bali ...	...	9	2	..	...	..	34·2	79·3	...	...	2	3	1	.	...	1	1	1	...	2	257·3	153·2	48·8	......	......	15·5	18·6	26·9	......	143·1
24-Pergunnahs ...	Suburbs of Calcutta ...	2	103	55	...	...	25·7	35·4	29·8	...	...	33	16	3	3	8	29	18	21	14	14	360·1	51·5	7·9	8·7	23·1	25·9	18·2	32·2	42·9	51·1
Nuddea ...	Kishnaghur ...	...	8	5	...	...	...	22·3	31·4	...	..	2	1	...	...	2	4	...	...	3	1	209·7	21·1	......	......	53·6	43·3	......	......	74·2	30·1
	Ranaghat ...	...	1	...	...	...	...	7·1	...	..	..	...	...	...	...	...	...	...	...	...	1	......	......	......	......	......	......	......	......	......	91·5
	Santipore ...	...	1	...	..	...	..	2·5	...	..	...	...	...	..	...	...	...	...	...	1	..	......	......	......	......	......	......	......	......	32·6	......
Jessore ...	Jessore ...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	..	...	...	......	......	......	......	......	......	......	......	......	......
Rajshahye ...	Rampore Beauleah ...	...	5	4	...	...	...	26·2	21·2	...	...	2	3	...	...	1	1	...	1	...	1	256·2	110·0	......	......	31·3	12·5	......	21·2	......	54·0
Darjiling ...	Darjiling ...	...	4	...	1	...	...	45·3	...	31·5	...	..	2	...	...	...	1	..	2	...	...	......	161·7	......	......	......	26·0	......	150·3	......	......
Dacca ...	Dacca ...	Return not received up to date.																													
	Narainganj ...																														
Chittagong ...	Chittagong ...	...	1	6	...	...	...	9·0	20·4	...	...	...	1	1	...	...	1	...	1	3	...	......	26·4	20·8	......	......	11·2	......	23·0	143·8	......
Tipperah ...	Comillah ...	..	3	4	...	...	...	26·2	28·1		...	1	...	...	1	...	2	...	1	2	...	175·1	......	......	35·6	......	37·6	......	39·6	129·8	......
Patna ...	Patna City ...	...	45	15	...	...	...	19·7	19·1	...	...	6	5	5	3	1	13	5	4	8	10	72·4	17·8	15·4	10·8	4·7	23·5	11·2	11·0	29·4	37·7
Gya ...	Gya ...	...	112	16	...	...	...	97·0	51·7	...	...	22	23	12	1	...	17	10	8	14	21	639·1	185·2	89·2	7·7	......	60·1	40·8	42·6	110·8	212·2
Shahabad ...	Arrah ...	...	28	8	...	...	...	46·9	33·5	...	...	4	10	...	4	1	6	4	1	2	4	161·5	117·3	......	47·1	16·5	39·7	32·3	11·1	33·5	72·1
Mozufferpore ...	Mozufferpore ...	...	21	4	...	...	...	36·4	16·7	...	...	4	4	3	1	1	4	4	2	...	2	217·8	51·5	54·7	13·1	17·1	24·3	29·8	20·8	......	42·7
Durbhanga ...	Durbhanga ...	...	12	13	...	...	...	12·0	38·5	...	...	5	6	1	1	1	3	2	2	2	3	107·0	41·0	6·6	9·3	12·9	7·8	9·3	20·8	23·7	48·3
Sarun ...	Chupra ...	...	10	12	...	...	...	12·6	51·9	...	...	2	3	...	2	1	1	8	3	1	1	72·0	29·4	......	20·2	11·6	5·5	51·5	24·9	12·3	15·0
Bhagulpore ...	Bhagulpore ...	...	22	11	...	...	...	28·8	33·2	...	...	5	4	5	2	1	4	2	2	5	3	217·8	33·4	44·3	16·5	12·4	19·0	11·2	16·2	61·1	43·3
Monghyr ...	Monghyr ...	...	47	15	...	...	...	54·7	62·1	...	...	14	10	3	...	6	9	9	3	3	5	490·2	83·6	22·1	......	82·6	45·3	52·4	24·5	39·2	72·5
Purneah ...	Purneah ...	...	2	...	...	...	...	11·3	...	..	...	...	1	...	...	...	...	1	...	...	...	......	43·0	......	......	......	......	18·3	......	......	......
Puri ...	Puri ...	...	7	...	...	...	...	14·8	...	...	...	1	1	...	...	...	2	...	1	1	1	171·6	28·9	......	......	......	19·7	......	15·6	23·3	28·8
	Total ...	2	529	183	1	...	9·1	31·7	27·8	24·8	...	123	104	42	23	26	110	74	62	70	83	227·3	53·4	18·2	11·3	14·8	22·6	17·9	21·4	40·6	58·1

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 8th October 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of August 1888.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDAH CANAL, 27 MILES. MACHGONG „ 4 „

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
18	1. Grain ...	...	262	262	5,700	262	5,700	
...	2. Cotton ...	...	... ..	......	......	......	.. ...	
4	3. Oilseeds ...	......	30	30	2,748	30	2,748	
..	4. Salt ...	...	. . ..	......	...	. . .	......	
...	5. Piece-goods ...	.. ..	.....	...	... ..	......	......	
...	6. Metal ...	.....	......	...	......	......	......	
22	7. Building materials	... ..	311	311	370	311	370	
3	8. Miscellaneous ...	1	29	30	4,115	30	4,115	
1	9. Fuel ...	...	15	15	100	15	100	
...	10. Timber	.. ...	......	......	......	......	......	
...	11. Bamboos	.. ..	......	......	......	......	......	
48	12. Total ...	1	647	648	13,033	648	13,033	
23 & 1 raft.	13. Total of same month last year.	......	336 & 200 No.	336 & 200 No.	8,177	230 & 200 No.	7,828	

	Up	Down.	Total
14. Total number of boats plying cargo No.	1	47	48
15. Total number of boats plying passenger No.	6	3	9
15½. Total number of empty boats No.	36	12	48
16. Total registered tonnage, cargo Tons	281	1,111	1,392
17. Total registered tonnage, passenger . Tons	236	244	480
18. Ton-mileage ...	4,642	17,018	21,660
19. Estimated value of cargo Rs.	25	13,008	13,033
20. Number of passengers No.	194	7	201
21. Rafts, bamboos . „	....	...	......
22. Do., bullahs „	.....	......	... ..
23. Estimated value of rafts Rs.	.....	.. ...	......
24. Tollage on boats . „	50-7-6	203-8-0	253-15 6
25. Compounded tollage on boats Rs.	......	......	... ..
26. Tollage on rafts „	......	......	......
27. Total tollage on boats per ton-mile „	......	... ..	0-0-2·26
28. Total tollage on rafts per 100 cubic feet „	......	......	......

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	253 15 6
Total tollage of same month last year ...	126 12 0

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ..	40 11 0
2. Tollage per month ...	253 15 6
3. Total ...	294 10 6
4. Amount credited in the accounts of the month ...	190 10 0
5. Balance due at the end of the month ...	104 0 6

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	REMARKS.
122	1. Grain ...	613	241	854	46,320	854	46,320	
...	2. Cotton ...	......	..	......	......	......	.	
19	3. Oilseeds ...	18	195	213	20,450	213	20,450	
7	4. Salt ...	19	41	60	5,010	60	5,010	
...	5. Piece-goods ...	......	...	.....	......	......	......	
...	6. Metal ..	......	......	......	......	...	......	
17	7. Building materials	7	222	229	1,660	215	1,640	
89	8. Miscellaneous ...	537	492	1,029	1,98,380	1,029	1,98,380	
19	9. Fuel ...	36	19	55	210	51	160	
...	10. Timber .	...	......	......	......	......	...	
...	11. Bamboos ...	......	......	......	......	.....	......	
273	12. Total ...	1,230	1,210	2,440	2,72,030	2,422	2,71,960	
301 & 7 rafts.	13. Total of same month last year	900	1,414 & 86 No	2,314 & 86 No.	2,51,220	2,271 & 86 No.	2,51,080	

	Up	Down	Total
14. Total number of boats plying cargo No.	175	98	273
15. Total number of boats plying passenger No	40	41	81
15½. Total number of empty boats No.	84	131	215
16. Total registered tonnage, cargo Tons	2,157	1,929	4,086
17. Total registered tonnage, passenger Tons	991	1,026	2,017
17½. Total registered tonnage, empty boats. Tons	538	660	1,198
18. Ton-mileage ...	1,10,249	1,36,594	2,46,843
19. Estimated value of cargo Rs.	1,44,200	1,27,830	2,72,030
20. Number of passengers No.	1,202	1,290	2,492
21. Rafts, bamboos "	...	......	......
22. Do., bullahs "	......	......	......
23. Estimated value of rafts Rs.	... ..	......	......
24. Tollage on boats "	1,879-10-8	1,774-12-8	3,654-7-4
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	......	......	......
27. Total tollage on boats per ton-mile "	......	......	0-0-3
28. Total tollage on rafts per 100 cubic feet "	......	......	... ..

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	3,654	7	4
Total tollage of same month last year ...	3,308	11	11

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	6,094	12	8
2. Tollage per month ...	3,654	7	4
3. Total ...	9,749	4	0
4. Amount credited in the accounts of the month ...	4,788	0	4
5. Balance due at the end of the month ...	4,961	3	8

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 34 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
78	1. Grain ...	294	......	294	20,910	294	20,910	
...	2. Cotton ..	......	......	......	......	......	......	
7	3. Oilseeds ..	50	......	50	4,150	50	4,150	
36	4. Salt ...	......	135	135	11,450	135	11,450	
...	5. Piece-goods	......	......	......	......	......	......	
...	6. Metal ...	......	......	...	......	......	......	
1	7. Building materials	5	......	5	40	5	40	
56	8. Miscellaneous ...	82	154	236	42,900	236	42,900	
14	9. Fuel ..	97	......	97	280	97	280	
...	10. Timber ..	......	..	......	......	......	......	
...	11. Bamboos ...	...	......	...	......	......	......	
192	12. Total ...	528	289	817	79,730	817	79,730	
227	13. Total of same month last year.	413	480	893	96,070	893	96,070	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	122	70	192
15. Total number of boats plying passenger No	1	1	2
15½. Total number of empty boats No.	37	80	117
16. Total registered tonnage, cargo Tons	884	526	1,410
17. Total registered tonnage, passenger Tons	4	3	7
17½. Total registered tonnage, empty boats Tons	115	305	420
18. Ton-mileage ...	19,676	17,721	37,397
19. Estimated value of cargo Rs.	32,750	46,980	79,730
20. Number of passengers No.	8	7	15
21. Rafts, bamboos "	......	......	...
22. Do., bullahs "	......	......	.....
23. Estimated value of rafts Rs.	......	......	......
24. Tollage on boats "	286-12-6	213-2-3	499-14-9
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	......	......	.....
27. Total tollage on boats per ton-mile "	......	......	0-0-2·6
28. Total tollage on rafts per 100 cubic feet "	......	......	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	499	14	9
Total tollage of same month last year	587	12	3

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	201	12	3
2. Tollage per month ...	499	14	9
3. Total ...	701	11	0
4. Amount credited in the accounts of the month	445	10	3
5. Balance due at the end of the month ...	256	0	9

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down	Total.	Value. Rupees.	Private. Quantity. Tons.	Private. Value. Rupees.	REMARKS.
73	1. Grain .	230	......	230	9,638	230	9 638	
...	2. Cotton	.	. ..	.....	.. .	.....	... ..	
14	3. Oilseeds .	.	49	49	4,138	49	4,138	
1	4. Salt ...	... ..	4½	4½	675	4½	675	
8	5. Piece-goods ...	1	16	17	3,625	17	3,625	
..	6. Metal .	. . .	..	. .	......	......	......	
1	7. Building materials	. .	8	8	7	... .	......	
8	8. Miscellaneous ...	...	18	18	2,844	18	2,844	
...	9. Fuel ...	.	......	......	...	......	......	
2 rafts	10. Timber	. ..	51 No.	51 No.	132	51 No.	132	
...	11. Bamboos	.	.. ..	.. ...	......	......	... ..	
105 & 2 rafts.	12. Total ...	231	95½ & 51 No.	326½ & 51 No.	21,059	318½ & 51 No.	21,052	
153 & 1 raft.	13. Total of same month last year	118	816 & 400 No.	934 & 400 No.	35,545	358½ & 400 No.	35,446	

	Up	Down	Total.
14. Total number of boats plying cargo ... No.	94	11	105
15. Total number of boats plying passenger No.	.	......	... ..
15½. Total number of empty boats No	30	51	81
16. Total registered tonnage, cargo Tons	597	322	919
17. Total registered tonnage, passenger Tons	.	..	. ...
18. Ton-mileage	7,542	3,672	11,214
19. Estimated value of cargo Rs	9,707	11,220	20,927
20. Number of passengers No	.	... ..	...
21. Rafts, bamboos „	....	......	......
22. Do., bullahs „		51	51
23. Estimated value of rafts Rs	. ..	132	132
24. Tollage on boats „	91-11-3	44-13-3	136-8-6
25. Compounded tollage on boats Rs.	. ..	.	. ..
26. Tollage on rafts „	. . ..	3-1-0	3-1-0
27. Total tollage on boats per ton-mile „	... .	....	0-0-2 33
28. Total tollage on rafts per 100 cubic feet „	.....	.. ..	......

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	139	9	6
Total tollage of same month last year ...	396	1	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	2	10	6
2. Tollage per month ...	139	9	6
3. Total ...	142	4	0
4. Amount credited in the accounts of the month ...	139	4	6
5. Balance due at the end of the month ...	2	15	6

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
40	1. Grain ...	63	......	63	5,848	63	5,848	
1	2. Cotton ...	......	5	5	650	5	650	
...	3. Oilseeds ...	......	......	......	......	......	......	
3	4 Salt ...	2½	5	7½	956	7½	956	
8	5. Piece-goods ...	......	30½	30½	3,182	30½	3,182	
...	6. Metal ...	......	......	......	......	......	......	
...	7. Building materials	......	......	......	......	......	......	
...	8. Miscellaneous ...	......	......	......	......	......	......	
...	9. Fuel ...	......	......	......	......	......	......	
...	10. Timber ...	......	......	......	......	......	......	
...	11. Bamboos .	......	......	...	......	......	......	
52	12. Total ...	65½	40½	106	10,636	106	10,636	
60	13. Total of same month last year.	50½	312	362½	16,920	140	16,843	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	41	11	52
15. Total number of boats plying passenger No.	......	......	... ..
15½. Total number of empty boats No.	17	38	55
16. Total registered tonnage, cargo Tons	184	182	366
17. Total registered tonnage, passenger Tons	......	... .	......
18. Ton-mileage ...	3,276	2,538	5,814
19. Estimated value of cargo Rs.	6,172	4,464	10,636
20. Number of passengers No.	... ..	......	. ..
21. Rafts, bamboos "	......	......	... ..
22. Do., bullahs "	......	......	......
23. Estimated value of rafts Rs.	... .	......	......
24. Tollage on boats "	44-10-9	22-0-3	66-11-0
25. Compounded tollage on boats Rs.	.. ...	......	......
26. Tollage on rafts "	......	......	......
27. Total tollage on boats per ton-mile "	... ..	... ..	0-0-2·20
28. Total tollage on rafts per 100 cubic feet "	......	......	......

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	66 11 0
Total tollage of same month last year	156 3 0

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	......
2. Tollage per month ...	66 11 0
3. Total ...	66 11 0
4. Amount credited in the accounts of the month ...	66 11 0
5. Balance due at the end of the month ...	Nil.

SONE CIRCLE.

PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	Description.	Total Government and Private — Quantity—Tons. Up	Down	Total	Value. Rupees.	Private — Quantity. Tons.	Value. Rupees.	Remarks.
2	1. Grain ...	23	....	23	1,030	23	1,030	
...	2. Cotton ...	......	...	......	......	......	......	
30	3. Oilseeds ...	4	398	402	44,275	402	44,275	
10	4. Salt ..	118	...	118	7,595	118	7,595	
32	5. Piece-goods ..	222	....	222	19,557	210	19,057	
...	6. Metal ...	11	..	11	6,185	11	6,185	
34	7. Building materials	255	128	383	1,767	232	1,063	
50	8. Miscellaneous ...	338	208	546	60,824	535	60,024	
1	9. Fuel { Boats	..	2	2	6	2	6	
	{ Rafts	.. ..	2	2	15	2	15	
...	10. Timber	...	......	.. ...	....	......	......	
...	11. Bamboos rafts	....	1	1	20	1	20	
159	12. Total ...	971	739	1,710	1,41,274	1,536	1,39,270	
143	13. Total of same month last year.	359	1,046	1,405	1,38,164	1,342	1,37,485	

	Up	Down	Total
14. Total number of boats plying cargo No	98	61	159
15. Total number of boats plying passenger No	5	4	9
15½. Total number of empty boats No	21	21	42
16. Total registered tonnage cargo Tons	1,666	1,248	2,914
17. Total registered tonnage, passenger Tons	135	108	243
17½. Total registered tonnage, empty boats Tons	101	76	177
18. Ton-mileage ...	108,792	99,454	208,246
19. Estimated value of cargo Rs	61,638	79,601	1,41,239
20. Number of passengers No	414½	289	703½
21. Rafts, bamboos c ft	... .	160	160
22. Do., bullahs „		133	133
23. Estimated value of rafts Rs	..	35	35
24. Tollage on boats „	1,007-6-9	911-13-6	1,919-4-3
25. Compounded tollage on boats Rs.	75-0-0	75-0-0	150-0-0
26. Tollage on rafts „	... .	0-7-3	0-7-3
27. Total tollage on boats per ton-mile „	......	......	0-0-1 90
28. Total tollage on rafts per 100 cubic feet „	......	......	0-2-5

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	2,069	11	6
Total tollage of same month last year ...	1,891	12	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	177	14	
2. Tollage per month ...	2,069	11	
3. Total ...	2,247	9	
4. Amount credited in the accounts of the month	2,059	10	
5. Balance due at the end of the month ...	187	15	

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
63	1. Grain ...	66	885	951	53,184	951	53,184	
...	2. Cotton ...	4	...	4	5,240	4	5,240	
4	3. Oilseeds ...	......	27	27	2,596	27	2,596	
8	4 Salt ...	61	......	61	6,118	61	6,118	
...	5. Piece-goods	11	......	11	18,550	11	18,550	
...	6. Metal ...	3	1	4	89,383	4	89,383	
25	7. Building materials	4	283	287	1,219	254	1,026	
105	8. Miscellaneous ...	133	552	685	22,905	483	22,730	
4	9. Fuel ...	11	42	53	699	42	586	
1	10. Timber ...	......	11	11	874	6	458	
2	Firewood ...	......	21	21	31	21	31	
4	11. Bamboos } Firewood Rafts	5	3	8	94	8	94	
	Firewood	......	2	2	10	2	10	
216	12. Total ...	298	1,827	2,125	2,00,903	1,874	2,00,006	
198	13. Total of same month last year.	421	1,166	1,587	87,167	1,345	81,307	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	64	152	216
15. Total number of boats plying passenger No.	14	22	36
15½. Total number of empty boats No.	120	41	161
16. Total registered tonnage, cargo Tons	601	3,086	3,687
17. Total registered tonnage, passenger Tons	119	126	245
17½. Total registered tonnage, empty boats Tons	586	143	729
18. Ton-mileage ...	51,473	164,577	216,050
19. Estimated value of cargo Rs.	1,16,889	84,004	2,00,893
20. Number of passengers No.	984	1,027	2,011
21. Rafts, bamboos c. ft.	......	......	...
22. Do., bullahs "	......	......	.....
22½ Do., firewood "	......	140	140
23. Estimated value of rafts Rs.	......	10	10
24. Tollage on boats "	267-5-0	1,169-10-0	1,436-15-0
25. Compounded tollage on boats Rs.	106-0-0	106-0-0	212-0-0
26. Tollage on rafts "	......	0-2-6	0-2-6
27. Total tollage on boats per ton-mile "	......	......	0-0-1·46
28. Total tollage on rafts per 100 cubic feet "	......	......	0-1-9

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	1,649	1	6
Total tollage of same month last year ...	1,531	11	3

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	337	1	9
2. Tollage per month ...	1,649	1	6
3. Total ...	1,986	3	3
4. Amount credited in the accounts of the month	1,858	4	6
5. Balance due at the end of the month ...	127	14	9

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts	Description.	Total Government and Private — Quantity—Tons — Up.	Down	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees	Remarks.
49	1. Grain ...	162	811	973	1,08,907	973	1,08,907	
...	2. Cotton ...	......	...	......	.....	......	......	
1	3. Oilseeds ...	.	28	28	3,715	28	3,715	
...	4. Salt ...	3	......	3	362	3	362	
...	5. Piece-goods ...	4	......	4	6,500	4	6,500	
1	6. Metal ...	9	. . .	9	1,375	......	......	
...	7. Building materials	......	......	......	.. ...	......	... ..	
20	8. Miscellaneous ...	37	322	359	33,905	359	33,905	
...	9 Fuel ...	......	...	......	...	......	.	
...	10. Timber Rafts	......	2	2	62	2	62	
...	11. Bamboos "	...	2	2	39	2	39	
71	12. Total ...	215	1,165	1,380	1,54,865	1,371	1,53,490	
58	13. Total of same month last year.	31	594	625	48,939	380	39,874	

	Up	Down.	Total.
14. Total number of boats plying cargo No.	11	60	71
15. Total number of boats plying passenger No.	9	8	17
15½. Total number of boats plying empty No.	27	19	46
16. Total registered tonnage, cargo Tons	276	1,496	1,772
17. Total registered tonnage, passenger Tons	243	224	467
17½. Total registered tonnage, empty boats Tons	119	94	213
18. Ton-mileage ...	14,537	31,042	45,579
19. Estimated value of cargo Rs.	43,102	1,11,662	1,54,764
20. Number of passengers No.	6,18½	577½	1,196
21. Rafts, bamboos c. ft.	......	262	262
22. Do., bullahs "	.. ..	177	177
23. Estimated value of rafts Rs	.... .	101	101
24. Tollage on boats "	84-0-9	333-1-6	417-2-3
25. Compounded tollage on boats Rs.	75-0-0	139-0-0	214-0-0
26. Tollage on rafts "	......	1-10-9	1-10-9
27. Total tollage on boats per ton-mile ,	......	......	0-0-2·65
28. Total tollage on rafts per 100 cubic feet "	......	......	0-6-0

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	632	13	0
Total tollage of same month last year ...	500	5	5

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	237	5	9
2. Tollage per month ...	632	13	0
3. Total ...	870	2	9
4. Amount credited in the accounts of the month ...	757	3	0
5. Balance due at the end of the month ...	112	15	9

ABSTRACT FOR THE MONTH OF AUGUST 1888 AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

Canal.	Traffic, 1888-89						Traffic, 1887-88						Remarks.
	During the month.			To end of the month			During the month			To end of the month.			
	Rs	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Orissa Circle.													
Taldunda Canal System ...	253	15	6	938	6	9	126	12	0	2,034	12	6	
Kendrapara Canal System	3,654	7	4	16,515	4	0	3,308	11	11	14,123	12	1	
High Level, Range I ...	499	14	9	2,102	1	6	587	12	3	2,338	5	3	
Ditto, „ II ...	139	9	6	1,132	13	6	396	1	6	1,499	3	0	
Ditto, „ III	66	11	0	566	3	3	156	3	0	476	0	3	
Total Orissa Circle ..	4,614	10	1	21,254	13	0	4,575	8	8	20,472	1	1	
South-Western Circle.													
Midnapore Canal ..	7,377	11	6	54,230	12	3	10,635	1	9	50,249	7	0	
Hidgellee Tidal Canal ...	4,393	3	6	29,901	13	0	4,882	6	0	26,107	11	3	
Total South-Western Circle	11,770	15	0	84,132	9	3	15,517	7	9	76,357	2	3	
Sone Circle.													
Patna Canal System .	2,069	11	6	13,527	4	0	1,891	12	6	13,215	0	6	
Arrah ditto .	1,649	1	6	9,413	11	6	1,531	11	3	7,489	1	1	
Buxar ditto ...	632	13	0	4,507	4	9	500	5	5	3,7[illegible]6	11	5	
Total Sone Circle .	4,351	10	0	27,448	4	3	3,923	13	2	24,130	13	0	
GRAND TOTAL ...	20,737	3	1	1,32,835	10	6	24,016	13	7	1,21,260	0	4	

GOVERNMENT TRANSPORT SERVICE.

Canal	Traffic, 1888-89										Traffic 1887-88.									
	During the month					To end of the month					During the month					To end of the month.				
	Passengers	Goods	Total receipts			Passengers	Goods	Total receipts			Passengers	Goods.	Total receipts			Passengers	Goods	Total receipts.		
Orissa Circle	No	Mds	Rs	A.	P	No	Mds	Rs.	A	P	No.	Mds.	Rs	A	P	No	Mds	Rs	A.	P
High Level ...	537	49	569	4	2	1,322	932	1,654	11	8	404	415	531	15	7	1,590	2,390	2,137	4	10
Total Orissa Circle ...	537	49	569	4	2	1,322	932	1,654	11	8	404	415	531	15	7	1,590	2,390	2,137	4	10

TOTAL NAVIGATION RECEIPTS.

Canal	Earnings, 1888-89						Earnings 1887-88						Remarks
	During the month			To end of the month			During the month			To end of the month			
	Rs	A.	P.	Rs.	A.	P.	Rs.	A	P	Rs	A	P.	
Orissa Canals ...	5,183	14	3	22,909	8	8	5,167	8	3	22,609	5	11	
Midnapore Canal ...	7,377	11	6	54,230	12	3	10,635	1	9	50,249	7	0	
Hidgellee Tidal Canal ...	4,393	3	6	29,901	13	0	4,882	6	0	26,107	11	3	
Sone Canals ...	4,351	10	0	27,448	4	3	3,923	13	2	24,430	13	0	
Total ...	21,306	7	3	1,34,490	6	2	24,548	13	2	1,23,397	5	2	

CALCUTTA, }
The 8th October 1888. }

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing quantities of Goods carried during the month of August 1888.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up	Down.	Total.	Rupees.	Tons	Rupees.	
174	1. Grain ...	1,744	61	1,805	64,788	1,805	64,788	
......	2. Cotton ...	......	......	...	......	......	......	
1	3. Oilseeds ...	1	......	1	80	1	80	
29	4. Salt ...	3	160	163	13,495	163	13,495	
4	5. Piece-goods ...	.....	8	8	5,300	8	5,300	
......	6. Metal ...	......	......	......	...	......	......	
......	7. Building materials	...	......	......	......	......	......	
414	8. Miscellaneous ...	31	292	323	34,333	323	34,333	
4	9. Fuel ...	10	3	13	102	13	102	
6 rafts	10. Timber ...	348 c. ft.	......	348 c. ft.	458	348 c. ft.	458	
......	11. Bamboos ...	.....	......	.....	......	...	......	
626 & 6 rafts.	12. Total ...	1,789 & 348 c. ft.	524	2,313 & 348 c. ft.	1,18,556	2,313 & 318 c ft	1,18,556	
553 & 1 raft.	13. Total of same month last year	1,892 & 30 c ft.	466	2,358 & 30 c ft.	99,525	2,347 & 30 c. ft	99,375	

	Up.	Down.	Total.
14. Total number of boats plying cargo No	334	292	626
15. Total number of boats plying passenger No.	54	48	102
16. Total registered tonnage, cargo Tons	4,082	2,451	6,533
17. Total registered tonnage, passenger Tons	778	812	1,590
18. Ton-mileage ...	1,31,036	98,181	2,29,217
19. Estimated value of cargo Rs.	61,109	56,989	1,18,098
20. Number of passengers No.	1,691	1,934	3,625
21. Rafts, bamboos C. ft.	......	......	......
22. Do., bullahs "	348	......	348
23. Estimated value of rafts Rs.	458	......	458
24. Tollage on boats "	2,300-9-6	1,736-1-0	4,036-10-6
25. Compounded tollage on boats Rs.	43-4-0	23-1-0	66-5-0
26. Tollage on rafts "	8-4-0	......	8-4-0
27. Total tollage on boats per ton-mile "	......	...	0-0-3·3
28. Total tollage on rafts per 100 cubic feet "	......	......	2-5-11

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	4,111	3	6
Total tollage of same month last year ...	2,532	15	3

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	4,949	13	0
2. Tollage per month ...	4,111	3	6
3. Total ...	9,061	0	6
4. Amount paid into treasury during the month ...	3,747	9	6
5. Balance due at the end of the month ...	5,313	7	0

Abstract for the month of August 1888 as compared with the corresponding month of the previous year.

	1888-89.		1887-88.	
	During the month	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage	4,111 3 6	27,620 11 9	2,532 15 3	14,446 6 9

CALCUTTA,
The 8th October 1888.

G. A. G. SHAWE.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of August 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
640	1. Grain ..	8,884	......	8,884	7,12,162	8,884	7,12,162	* For detail see next page.
1	2. Cotton ...	1	... ..	1	510	1	510	
51	3. Oilseeds ...	609	7	616	69,443	616	69,443	
196	4. Salt ..	481	2,727	3 208	3,03,159	3,208	3,03,159	
......	5. Piece-goods ..	... ..	.....	......				
13	6. Metal ...	37	25	62	25,025	62	25,025	
128	7. Building materials	2,566	29	2,595	47,196	2,595	47,196	
1,371	8. Miscellaneous*...	6,212	602	6,814	9,47,171	6 814	9,47,171	
481	9. Fuel ..	5,121	894	6,015	48,778	6,015	48,778	
.	10. Timber ...	......	...	......	..	......		
.....	11. Bamboos .	... ..		...	. .	......	......	
2,881	12. Total ...	23,911	4,284	28,195	21,53,444	28,195	21,53,444	
3,002 & 6 rafts.	13. Total of same month last year	30,914 & 915 No	7,018	37,932 & 945 No.	22,80,008	37,932 & 945 No	22,80,008	

	Up	Down	Total
14. Total number of boats plying cargo No	2,611	270	2,881
14a. Ditto empty „	1,654	320	1,974
15. Total number of boats plying passenger No.	290	2	292
16. Total registered tonnage, cargo Tons	85,102	11,710	96,812
17. Total registered tonnage, passenger Tons	769	6	775
18. Ton-mileage ...	700,775	117,100	817,875
19. Estimated value of cargo Rs.	17,97,643	3,55,801	21,53,444
20. Number of passengers No.	1,108	1	1,109
21. Rafts, bamboos C. ft.	......		... .
22. Do., bullahs „	... ..	......	
23. Estimated value of rafts Rs.	...	...	......
24. Tollage on boats „	17,292-15-6	2,870-8-0	20,163-7-6
25. Compounded tollage on boats Rs.	......	......	.....
26. Tollage on rafts „	......	......	......
27. Total tollage on boats per ton-mile ...	......	......	0-0-4·73
28. Ditto on rafts per 100 cubic feet ...	......	......	......

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	20,163	7	6
Total tollage of same month last year ...	23,367	1	9

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	701	4	9
2. Tollage per month ...	20,163	7	6
3. Total ...	20,864	12	3
4. Amount paid into treasury during the month ...	20,283	5	0
5. Balance due at the end of the month ...	581	7	3

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTTA AND EASTERN CANALS.

Number of boats or rafts	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up	Down	Total.	Rupees	Tons.	Rupees.	
31 [uncertain]	(a) Jute ...	2,355	18	2,373	3 48,810	2,373	3,48,810	
64	(b) Jaggery ...	472	64	536	56,305	536	56,305	
20	(c) Sugar .	151	.. ...	151	33,800	151	33,800	
3	(d) Tobacco ..	1	2	3	525	3	525	
414	(e) Fish ...	73	......	73	20,389	73	20,389	
5	(f) Hides .	4	......	4	1,050	4	1,050	
109	(g) Poultry ...	24	......	24	19,742	24	19,742	
25	(h) Hay and straw ..	196	.. ...	196	4,116	196	4,116	
39	(i) Oils	29	457	486	68,050	486	68,050	
34	(k) Earthenware ...	94	... .	94	1,315	94	1,315	
527	(m) Other miscellaneous ...	2,813	61	2,874	3,93,069	2,874	3,93,069	
1,371	Total Miscellaneous ..	6,212	602	6,814	9,47,171	6,814	9,47,171	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of August 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.
1,262	1. Grain ...	6,164	16	6,180	4,66,999	6,180	4,66,9[illegible]
12	2. Cotton ...	121	......	121	57,800	121	57,80[illegible]
21	3. Oilseeds ..	389	......	389	40,725	389	40,725
133	4. Salt ...	571	788	1,359	1,28,435	1,359	1,28,435
......	5. Piece-goods ...	......	......	......	......	......	......
......	6. Metal ...	......	......	......	......	......	......
202	7. Building materials	1,928	......	1,928	14,628	1,928	14,628
609	8. Miscellaneous* ...	2,727	82	2,809	3,23,681	2,809	3,23,681
195	9. Fuel ..	2,291	7	2,298	22,780	2,298	22,780
7 rafts.	10. Timber .	150 c.ft.	1,099 c.ft	1,249 c. ft.	3,122	1,249 c ft.	3,122
4 "	11. Bamboos	115 "	......	115 "	14	115 "	14
2,434 & 11 rafts.	12. Total ...	14,191 & 265 c. ft.	893 & 1,099 c. ft.	15,084 & 1,364 c. ft.	10,58,184	15,084 & 1,364 c. ft.	10,58,184
4,191 & 10 rafts.	13. Total of same month last year ...	18,986 & 125 No.	854 & 40 No.	19,840 & 165 No.	12,07,670	19,840 & 165 No.	12,07,670

* For detail see next page.

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.	2,316	118	2,434
14a. Ditto empty ... "	1,199	105	1,304
15. Total number of boats plying passenger ... No.	197	7	204
16. Total registered tonnage, cargo ... Tons	48,331	3,140	51,471
17. Total registered tonnage, passenger ... Tons	436	15	451
18. Ton-mileage	4,53,504	50,240	5,03,744
19. Estimated value of cargo Rs.	9,67,399	87,649	10,55,048
20. Number of passengers No.	1,032	17	1,049
21. Rafts, bamboos C. ft.	115	......	115
22. Do., bullahs ... "	150	1,099	1,249
23. Estimated value of rafts Rs.	389	2,747	3,136
24. Tollage on boats "	7,667-0-6	772-11-6	8,439-12-0
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts "	7-3-6	19-8-0	26-11-6
27. Total tollage on boats per ton-mile ...	......	......	0-0-3·21
28. Ditto on rafts per 100 cubic feet	......	......	1-15-4

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	8,466	7	6
Total tollage of same month last year	9,701	5	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	142	2	0
2. Tollage per month ...	8,466	7	6
3. Total ...	8,608	9	6
4. Amount paid into treasury during the month ...	8,415	7	6
5. Balance due at the end of the month ...	193	2	0

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

TOLLY'S NULLAH.

Number of boats or rafts.	Description.	Total Government and Private				Private.		Remarks.
		Quantity—Tons			Value	Quantity.	Value	
		Up.	Down	Total.	Rupees	Tons.	Rupees.	
[illegible]	(*a*) Jute ...	22	... ..	22	2,287	22	2,287	
91	(*b*) Jaggery ...	538	29	567	59,531	567	59,531	
......	(*c*) Sugar ...	......	......	.....	......	... .	......	
30	(*d*) Tobacco ...	194	32	226	44,275	226	44,275	
110	(*e*) Fish	16	. .	16	4,611	16	4,611	
......	(*f*) Hides ...	......	......	.. ..	......	......	......	
4	(*g*) Poultry ..	1	.....	1	432	1	432	
114	(*h*) Hay and straw	184	....	184	4,298	184	4,298	
49	(*j*) Oils ...	563	4	567	79,375	567	79,375	
72	(*k*) Earthenware ...	98	1	99	1,472	99	1,472	
136	(*m*) Other miscellaneous .	1,111	16	1,127	1,27,400	1,127	1,27,400	
609	Total Miscellaneous...	2,727	82	2,809	3,23,681	2,809	3,23,681	

ABSTRACT FOR THE MONTH OF AUGUST 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	Traffic, 1888-89.						Traffic, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs	A	P.	Rs	A.	P
Calcutta and Eastern Canals ...	20,163	7	6	1,08 376	2	6	23,367	1	9	1,07,042	1	0
Tolly's Nullah	8,466	7	6	45,660	3	6	9,701	5	0	42,237	14	[illegible]
Total ...	28,629	15	0	1 54,036	6	0	33,068	6	9	1,49,279	15	0

CALCUTTA,
The 8th October 1888.

G. A. G. SHAWE,
Under-Secretary to the Government of Bengal

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 6th October 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 6th October 1888			Week ending Saturday, the 8th October 1887.		
	Number of boats	Weight of cargo	Tollage.	Number of boats	Weight of cargo	Tollage.
	No	Mds.	Rs.	No	Mds.	Rs.
Rice and paddy	1,124	1 87 865	3,126	911	1,34,005	2 302
Jute	287	1,06 875	1 894	231	1,00,375	1,784
Firewood	215	1,02 000	1 521	169	79,300	1,205
Other articles . .	1,064	2,31,654	3,529	953	1,92,515	2,861
Total .	2,720	6 28,392	10,070	2,264	5,06,195	8,152

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1888-89.

Areas leased for Irrigation up to the end of August 1888.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilised.	Approximate area of land irrigated during the year up to the end of month.	Approximate area of land under irrigation up to the same date last year.	Details of areas leased. Five years, all crops.	Five years, kharif.	Annual leases. Kharif.	Rabi.	Sugar-cane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1888-89. During month.	Up to end of month.	Rainfall, 1887-88. During month.	Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inch.	Inch.	Inch.	Inch.	
Orissa	Cuttack	Taldunda, 1st Reach.	1,342	436	72	7,000	4,332	......	7,519	......	228	14	......	......	240	7,759	3·77	47·13	8·47	39·28	
		Taldunda, 2nd Reach.	566	88																	
		Machgong ...	776	146	108	20,270	18,035	......	21,192	......	1	......	......	......	1	21,193	22·25 24·49	32·57 39·56	9·95 7·20	41·70 15·15	
		Kendrapara ...	1,067	452	303	36,227	35,450	......	38,678	20	2,376	40	......	......	2,396	41,074	14·73	26·35	4·94	23·76	
		Gobri ...	372·82	29·93	27·29	692	637	......	725	......	22	......	......	......	22	747	25·39	38·65	8·29	43·49	
		Pattamoondi ...	885	115·56	61·50	1,762	6,933	......	4,361	......	8	......	......	......	8	4,369	......	......	......	......	
		High Level, Range I.	606	150·	129	5,703	13,716	......	7,570	......	3	......	......	......	3	7,573	17·90	29·24	5·30	30·70	
		High Level, Range II.	727·16	22·33	22·33	1,187	367	......	1,096	......	29	......	......	......	29	1,125	......	......	......	......	
	Balasore ...	High Level, Range III.	727·16	63·71	63·71	6,169	5,940	......	7,846	......	......	115	......	......	115	7,961	24·25	39·36	10·38	43·64	
		Total ...	......	......	......	78,938	85,410	......	88,957	20	2,625	169	......	......	2,814	91,801	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	......	92,588	37	555	130	......	......	722	93,310	......	......	......	......	
South-Western.	Midnapore...	Midnapore ...	1,411	243	9	39,367	54,119	......	41,015	......	......	......	......	......	......	41,015	21·96	53·34	10·19	41·41	Whole month discharging.
	Howrah	Panchkoorah ..	522	23	9	4,033	3,110	......	5,351	......	......	......	......	......	......	5,351	22·90	47·48	6·65	43·93	Six days' discharging.
		Tidal Reaches, Ranges I and II.	......	......	......	389	207	......	502	......	......	......	......	......	......	502	......	......	......	......	
		Total ...	......	......	......	43,789	57,436	......	46,868	......	......	......	......	......	......	46,868	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	......	61,157	......	......	......	......	......	......	61,157	......	......	......	......	
Sone ...	Shahabad ...	Western Main ...	4,342	2,365	93	11,562	15,196	13,112	......	1,309	......	93	27	201	1,720	14,832	12·96	28·33	7·64	24·26	
		Buxar	1,226	628	386	39,155	50,348	40,498	......	7,139	......	1,265	155	1,971	10,510	50,918					
		Arrah	2,000	1,652	1,350	108,077	118,410	96,306	......	10,970	......	1,483	27	6,852	19,362	115,068	15·95	32·26	6·18	29·19	
	Patna and Gya.	Eastern Main ..	1,466	1,074	979	889	962	868	......	69	......	10	......	......	79	945	14·23	36·56	8·04	37·12	
		Patna				40,161	39,091	32,230	......	10,210	......	199	69	......	10,478	42,708					
		Total ...	......	......	......	199,844	214,009	182,922	......	29,787	......	3,050	258	9,054	42,149	225,071	......	......	......	......	
	Total of the corresponding period of last year.		......	......	......	......	......	176,917	......	29,789	......	3,962	122	9,313	43,195	220,112	......	......	......	......	
		Grand Total ...	......	......	......	322,571	356,855	182,922	155,855	29,807	2,625	3,219	258	9,054	44,963	363,740	......	......	......	......	
	Grand Total of the corresponding period of last year ...		......	......	......	......	......	176,017	153,745	29,835	555	4,092	122	9,313	43,917	374,579	......	......	......	......	

G. A. G. SHAWE,
Under Secretary to the Govt. of Bengal.

The 9th October 1888.

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ended 25th August 1888, as compared with the same period of 1887.

Staples.		1888. Weight.	1888. Freight.	1887. Weight.	1887. Freight.	Increase. Weight.	Increase. Freight.	Decrease. Weight.	Decrease. Freight.
		Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
ANIMALS, LIVING	Horses, ponies, and mules ...	No. 38	717	No. 10	147	No. 28	570	No. ...	......
	Cattle ...	" 2	241	" 29	485	" ...	......	" 27	244
	Sheep and goats ...	" 4,668	3,453	" 4,777	3,568	" ...	......	" 109	115
	Other kinds ...	" 542	411	" 250	123	" 292	288	" ...	......
Borax ...		......	......	......	......	......	......	......	......
Canes and rattans ...		5	1	8	4	......	......	3	3
Caoutchouc (Indian-rubber) ...		28	26	13	14	15	12	......	......
Chinese and Japanese ware ...		5,32,361	1,73,222	3,99,981	1,39,032	1,32,380	34,190	......	......
Coal and coke, up ...		17,94,702	2,54,905	15,92,662	2,25,875	2,02,040	29,030	......	......
Ditto, down ...		15,786	17,051	17,748	20,049	......	......	1,962	2,998
Cotton, raw ...		7,537	9,632	8,022	10,780	......	......	485	1,148
COTTON, MANUFACTURED.	Twist and yarn (European) ...	11,043	7,638	11,234	7,845	......	......	191	307
	Ditto (Indian) ...	64,337	79,784	63,413	69,671	924	10,113	......	......
	Piece-goods (European) ...	14,988	7,962	15,706	10,402	......	......	718	640
	Ditto (Indian) ...	76	44	39	21	37	23	......	......
DRUGS AND MEDICINES.	Asafœtida ...	1,185	1,969	1,106	1,792	79	177	......	......
	Other sorts, not intoxicating...	620	579	545	399	75	180	......	......
	Intoxicating drugs (other than opium, i.e., arsenic, bhang, ganja, and charas, &c.)	5,992	1,398	6,233	1,501	......	......	241	103
DYEING MATERIALS.	Indigo ...	......	......	......	......	......	......	......	......
	Madder or manjit ...	185	33	162	28	23	5	......	......
	Safflower ...	4,622	1,971	5,189	2,419	......	......	567	448
	Turmeric ...	1,181	1,081	3,034	2,063	......	......	1,853	982
	Other kinds ...	499	715	599	825	......	......	100	110
Earthenware and porcelain ...		44,934	5,311	30,201	2,949	14,733	2,362	......	......
FIBROUS PRODUCTS.	Jute, raw ...	45,791	22,274	39,785	19,553	6,006	2,721	......	......
	Do., manufactured (gunny bags and cloths).	4,283	1,773	4,195	2,417	88	......	......	644
	Other fibres, raw ...	1,452	408	1,510	344	......	64	58	......
	Ditto, manufactured ...	4,701	2,535	8,378	5,067	......	......	3,677	2,532
FRUITS & NUTS	Coconuts ...	29,004	15,419	26,176	14,807	2,828	612	......	......
	All other kinds ...	6,30,507	1,27,981	3,14,457	62,401	3,16,050	65,580	......	......
GRAIN & PULSES	Wheat ...	2,30,611	47,163	2,89,391	59,883	......	......	58,780	12,720
	Gram and pulses...	3,33,415	82,140	3,56,485	1,00,995	......	......	23,070	8,855
	Rice, husked ...	24,923	4,836	11,753	2,046	13,170	2,790	......	......
	Do., unhusked ...	66,141	16,768	1,48,731	30,906	......	......	82,590	14,140
	Other rain and spring crops ...	17,494	24,556	16,969	20,532	525	4,024	......	......
Government stores...		3,308	1,712	2,637	1,571	671	141	......	......
Gums and resins ...		11,180	6,286	10,082	5,386	1,098	900	......	......
HIDES & SKINS ..	Hides of cattle ...	18,264	9,897	16,482	9,805	1,782	92	......	......
	Skins of sheep, goats, and small animals.	1,681	1,315	2,021	1,409	......	......	340	94
Horns ...		58	35	4	4	54	31	......	......
LAC ...	Lac dye ...	6,371	4,718	9,281	7,018	......	......	2,910	2,300
	Do. shell ...	8,933	2,315	8,881	2,173	52	142	......	......
	Do. stick and other kinds ...	1,970	4,060	1,878	3,709	92	351	......	......
LEATHER ...	Leather, unmanufactured ...	1,456	1,796	1,951	2,553	......	......	495	757
	Ditto, manufactured ...	13,381	9,858	14,188	11,250	......	......	807	1,392
Liquors ...		280	193	139	97	141	96	......	......
Mats ...		79,164	11,750	60,033	8,803	19,131	2,947	......	......
Minerals ...		18,376	14,067	32,486	23,758	......	......	14,110	9,691
METALS AND MANUFACTURES OF	Brass and copper ...	57,448	35,273	56,349	36,766	1,099	......	......	1,493
	Iron ...	2,972	2,168	5,502	4,317	......	......	2,530	2,149
	Other metals ...	63,064	27,754	39,150	14,819	23,914	12,935	......	......
Oils ...		414	347	519	387	......	......	105	40
Opium ...		1,513	1,078	1,782	1,314	......	......	269	236
Paints and colours...		20,287	14,139	17,000	15,311	3,287	......	......	1,172
PROVISIONS ...	Ghee ...	5,123	4,609	5,724	4,816	......	......	601	207
	Other kinds ...	51,233	1,604	60,812	2,380	......	......	9,579	776
Railway materials, Construction Account ...		1,54,310	37,148	55,016	25,571	99,294	11,577	......	......
Ditto ditto, Foreign ...		2,07,846	44,586	2,57,259	54,089	......	......	49,413	9,503
Salt ...		37,788	17,857	25,293	11,826	12,495	6,031	......	......
SALTPETRE, &C.	Saltpetre ...	15,907	4,163	15,198	5,065	709	......	......	902
	Other saline substances ...	6,06,686	1,67,753	5,15,046	1,51,943	91,640	15,810	......	......
SEEDS — OIL-SEEDS.	Linseed ...	1,90,940	39,597	91,950	25,287	98,990	14,310	......	......
	Mustard and rape ...	2,671	484	7,341	1,934	......	......	4,670	1,450
	Til or gingelly ...	1,50,694	51,077	1,01,114	32,147	49,580	18,930	......	......
	Other oilseeds ...	10,705	4,738	15,385	6,628	......	......	4,680	1,890
SEEDS — OTHER SEEDS.	Indigo seed ...	......	......	......	......	......	......	......	......
	Tea seed ...	32,186	12,411	31,146	14,631	1,040	......	......	2,220
	Other kinds ...	842	722	1,136	819	......	......	294	97
SILK ...	Silk, raw ...	......	......	......	......	......	......	......	......
	Do., manufactured (European)	484	345	538	382	......	......	54	37
	Do., ditto (Indian)...	6,389	4,702	5,699	3,763	690	939	......	......
Spices ...		80,468	10,741	83,861	5,481	......	5,260	3,393	......
Stone and marble...		43,729	8,820	53,319	12,527	......	......	9,590	3,707
SUGAR ...	Sugar, refined ...	23,112	3,254	23,992	4,455	......	......	880	1,201
	Do., unrefined ...	1,149	1,379	1,235	1,096	......	283	86	......
TEA ...	Tea, Indian ...	149	8	168	6	......	2	19	......
	Do., Foreign ...	23,143	6,863	25,840	8,117	......	......	2,697	1,254
Tobacco ...		14,085	4,895	14,762	8,102	......	......	677	3,207
WOOD ...	Timber ...	6,274	314	5,595	212	679	102	......	......
	Firewood ...	1,565	1,787	1,078	1,385	487	402	......	......
WOOL ...	Wool, raw ...	1,040	2,240	1,052	2,241	......	......	12	1
	Do., manufactured (European).	819	855	1,397	1,096	......	......	578	241
	Wool, manufactured (Indian)	......	......	......	......	......	......	......	......
	Shawls ...	......	......	......	......	......	......	......	......
All other articles of merchandise ...		1,50,619	84,843	1,82,531	1,14,733	......	......	31,912	29,890
Bones ...		20,461	6,087	8,242	2,572	12,219	3,515	......	......
Potatoes ...		24,092	11,626	25,065	9,456	......	2,170	973	......
Total ...		60,53,690	16,09,822	52,61,070	14,81,976	11,08,409	2,49,867	3,15,879	1,22,021

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 29th September 1888, on 12 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,702	449 12 0	9,245 0	168 13 0	2 10 0	621 3 0	445½	48	493½
Or per mile of railway ...	......	37 7 8	......	14 1 1	0 3 6	51 12 3	......	......	......
For previous 12 weeks of half-year ...	34,319	5,694 2 0	76,632 20	1,754 0 0	60 1 9	7,508 3 9	4,826	1,330	6,156
Total for 13 weeks ...	37,021	6,143 14 0	85,877 20	1,922 13 0	62 11 9	8,129 6 9	5,271½	1,378	6,649½
Comparison.									
Total for corresponding week of previous year ...	2,117½	358 14 8	7,439 0	149 13 0	4 12 0	513 7 8	418	75	[illegible]
Per mile of railway corresponding week of previous year ...	......	29 14 7	......	12 7 9	0 6 4	42 12 8	......	......	......
Total to corresponding date of previous year ...	38,362½	6,379 0 10	1,09,328 30	2,431 5 0	91 2 9	8,901 8 7	5,394	1,156	6,550

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Pulic Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 1st October 1887.*			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	513	43	12	621	52	12	23,502	75	12	*24,201	78	699	......

* Added Rs. 312 on account of difference between the approximate and audited figures from week ended 2nd to 30th June 1888.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 29th September 1888, on 74¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,965	2,675 13 0	23,042 20	2,415 2 0	56 10 0	5,147 9 0	687	915½	1,602½
Or per mile of railway ...	......	35 12 4	......	32 4 7	0 12 2	68 13 1	......	......	......
For previous 12 weeks of half-year ...	54,765	30,672 8 0	10,63,565 10	29,859 8 9	1,377 0 9	67,909 1 6	7,809	12,372½	20,181½
Total for 13 weeks ...	58,730	32,348 5 0	10,86,607 30	32,274 10 9	1,433 10 9	73,056 10 6	8,496	13,288½	21,784½
Comparison.									
Total for corresponding week of previous year ...	5,909	3,894 10 1	1,06,980 20	4,170 8 0	115 13 3	8,180 15 4	537	1,751	2,288
Per mile of railway corresponding week of previous year ...	......	52 1 1	......	55 12 1	1 8 9	109 5 11	......	......	......
Total to corresponding date of previous year ...	65,660	50,680 5 4	12,83,176 30	47,630 13 0	1,298 12 3	99,609 14 7	9,281	10,958	20,239

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74¾	8,181	109	74¾	5,148	69	74¾	2,13,612	110	74¾	*1,79,923	93	......	33,689

* Added Rs. 1,218 on account of difference between the approximate and audited figures from week ended 2nd to 30th June 1888.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 29th September 1888, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs A. P.	Mds. s	Rs. A. P.	Rs. A. P.	Rs A. P.			
Total traffic for the week	16 524	4,177 2 0	8,406 20	230 8 0	6 0 0	4 413 10 0	931	37	968
Or per mile of railway		187 11 9		10 5 9	0 4 4	196 5 10	...	...	...
For previous 12 weeks of half-year	207,948	51,638 6 0	36 729 20	1,306 15 0	77 12 9	53,021 1 9	11,174	530	11,704
Total for 13 weeks	224 472	55,815 8 0	45,136 0	1,537 7 0	83 12 9	57,434 11 9	12,105	567	12,672
Comparison									
Total for corresponding week of previous year	19 703	5 112 10 11	3 302 30	124 2 0	14 8 0	5,251 4 11	939	29	968
Per mile of railway corresponding week of previous year		229 12 7		5 9 3	0 10 5	236 0 3		...	...
Total to corresponding date of previous year	230,406	55,789 2 8	51 303 0	1,830 12 0	76 5 3	57 716 3 11	12,496	560	13,056

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No XXI, Railway, dated 23rd July 1883

Receipts for week ending 1st October 1887			Receipts for week ending 29th September 1888			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs		Rs	Rs		Rs.	Rs.		Rs.	Rs	Rs.	Rs.
22¼	5,251	236	22¼	4 414	198	22¼	1,34,786	233	22¼	*1,40,764	243	5 978	.....

* Deducted Rs 901 on account of difference between the approximate and audited figures from week ended 2nd to 30th June 1888.

EASTERN BENGAL STATE RAILWAY.

(Including N. B , Dacca, K. and D , and Assam-Behar Sections)

Approximate Return of Traffic for week ended 22nd September 1888, on 673 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam boat.	Total earnings	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s	Rs. A. P.	Rs. A. P	Rs. A. P			
Total traffic for the week	116,924	63,790 0 0	8,09,330 0	2,23,190 0 0	15,820 0 0	3,02,800 0 0	23,279	32,757	55,036
Or per mile of railway	174	95 0 0	1,203 0	332 0 0	‡3 0 0	450 0 0	.	.	. .
For previous 11 weeks of half-year	* 1,378 315	5 58,993 0 0	*62,83 324 0	14,81,145 0 0	1,44,256 0 0	*21,84 394 0 0	212 596	253,353	405,949
Total for 12 weeks	1,495,239	6,22 783 0 0	70,92 654 0	17,04 335 0 0	1,60,076 0 0	24 87,194 0 0	284,875	286,110	550,985
Comparison.									
Total for corresponding week of previous year	127,112	†73,516 0 0	6,11,251 0	1,50,317 0 0	10,845 0 0	2,34,678 0 0	21,915	25,982	47,897
Per mile of railway corresponding period of previous year	197	114 0 0	948 0	233 0 0	‡1 0 0	348 0 0	. ...	... .	......
Total to corresponding date of previous year ...	1,424 089	6,23,053 0 0	64,92,698 0	13,82,368 0 0	1,38,205 0 0	21,43,626 0 0	256,474	263,568	520,042

* Audited up to week ending 11th August 1888.
† Due to Doorga Pooja holidays fell earlier last year.
‡ Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	2,34,678	364	673	3,02,800	450	645	30,90,630	247	674	*44,32,666	263	4,42,036	......

* Audited up to 11th August 1888.

General remarks on the fluctuation of principal staples carried over the East Indian Railway during month ended 25th August 1888.

INCREASES.

Coal and coke.—There was an increase in both upwards and downwards coal and coke traffic; that in the former is due to demands from foreign Railways, and the latter to despatches to Howrah for ocean steamers and for export.
Wheat.—Due to demand for export
Jute, raw.—This is attributable to despatches from the Eastern Bengal State Railway to the jute mills in Calcutta and neighbourhood.
Minerals.—This is a continuation of the increase reported for several months past.
Oil.—This was chiefly in kerosine oil from Howrah.
Railway material, Foreign.—This increase was in short lead traffic for the Bengal-Nagpur Railway
Saltpetre.—Due to despatches to Howrah for export.
Seeds.—The increase was chiefly in linseed and mustard seed—the former for export and the latter for local consumption.
Bones.—A continuation of the increase reported for several months consecutively
Piece-goods, European.—This was principally in long distance traffic from Howrah to the North-Western Provinces and Punjab.

DECREASES.

Gram and pulses.—Due to absence of demand.
Rice (husked and unhusked)—The decrease was not important, and last year's despatches were particularly good.
Other rain and spring crops—Due to heavy demand last year, owing to scarcity in Rajputana.
Brass and copper.—This is attributable to the continuance of high prices.
Salt.—This decrease was in imported salt.
Sugar, refined and unrefined.—This was principally in long load traffic from Howrah and stations on the Dinapore district.

N. ST. L. CARTER, *Offg. Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, *the 6th October* 1888.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 29th September 1888, on 1,513¾ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	234,533½	2,33,135 10 0	26,09,606 20	5,10,680 1 2	16,595 4 2	7,60,410 15 4	63,632	97,440	161,072
Or per mile of railway ..	..	154 0 2	..	337 5 9	10 15 5	502 5 4	.....	.....	.....
For previous 12 weeks of half-year	2,686,000	26,39,886 9 0	2,82,47,743 0	52,98,061 3 2	1,87,119 5 1	81,25,067 1 3	765,354½	930,875½	1,696,230
Total for 13 weeks ..	2,920,533	28,73,022 3 0	3,08,57,349 20	58,08,741 4 4	2,03,714 9 3	88 85,478 0 7	828,986½	1,018,315½	1,847,302
Comparison.									
Total for corresponding week of previous year .. .	217,549½	2,16,706 1 3	14,74,247 10	3,25,716 14 6	15,673 8 10	5,58,096 8 7	62,027	61,088	123,115
Per mile of railway corresponding week of previous year .. .	....	142 10 8	... .	214 6 10	10 5 1	367 6 7	.. ..	... ..	...
Total to corresponding date of previous year	3,231,573	32,13,736 7 9	2,77,68,611 10	58,13,573 11 9	2,16,309 7 7	92,73,619 11 1	858,251	1,050,096	1,908,347

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	5,58,097	367	1,513¾	7,60,411	502	1,519	2,16,81,170	549	1,513¾	2,05,65,162	523	... ..	11,16,008

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 29th September 1888, on 57¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*22,673	*14,517 7 0	33,445 10	2,678 15 0	25 0 0	17,221 6 0	1,890	791	2,681
Or per mile of railway .	396½	253 12 10	584 30	46 13 4	0 7 0	301 1 2	.	......	... .
For previous 12 weeks of half-year	120,296	58,301 2 0	3 96,222 0	25,535 0 0	295 14 3	84,132 0 3	21,531	8,978	30,509
Total for 13 weeks ...	142,969	72,818 9 0	4,29,667 10	28 213 15 0	320 14 3	1,01,353 6 3	23,421	9,769	33,190
Comparison.									
Total for corresponding week of previous year . .	8,631½	4,798 2 0	19,830 20	1,531 3 0	11 8 0	6 340 13 0	1,959	435	2,394
Per mile of railway corresponding week of previous year .	151	83 14 1	346 30	26 12 4	0 3 3	110 13 8	......	......	......
Total to corresponding date of previous year	200,157½	1,09,709 11 1	4,87,678 10	31,464 3 0	452 12 0	1,41,716 10 1	24,891	8,579	33,470

* The heavy increase in coaching traffic is due to pilgrims to and from Gya on account of "Uparpuckhoha."

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57¼	6,341	111	57¼	17,221	301	57¼	2,60,880	175	57¼	*2,15,276	145	......	45,604

* Deducted Rs. 2,589 on account of difference between the approximate and audited figures from week ended 2nd to 30th June 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 22nd September 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).*	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts	Weight carried.	Receipts.			Coaching.	Merchandise.*	Total
		Rs. A. P.	Mds. S	Rs. A. P.	Rs. A. P	Rs. A. P.			
Total traffic for the week	22 436	8,164 0 0	91,827 0	10,742 0 0	79 0 0	18,985 0 0	3,905	3,305	7,210
Or per mile of railway	179	65 0 0	735 0	86 0 0	1 0 0	152 0 0			...
For previous 11 weeks of half-year	*274,029	81,183 0 0	*5,12 791 0	50,215 0 0	1,061 0 0	*1,42,459 0 0	42,027	20,493	62,584
Total for 12 weeks	296,465	89,347 0 0	6,04,528 0	60,957 0 0	1,140 0 0	1,61,444 0 0	45,932	23,798	[illegible]
COMPARISON									
Total for corresponding week of previous year	†26,289	†11,752 0 0	41 208 0	4,480 0 0	29 0 0	16 261 0 0	3,568	1,852	5,42[illegible]
Per mile of railway corresponding period of previous year	210	94 0 0	330 0	36 0 0	.	130 0 0	.	....	......
Total to corresponding date of previous year	209,417	98,295 0 0	5,13,546 0	49,164 0 0	1,497 0 0	1,47,856 0 0	45,129	21,451	56 580

* Audited up to 11th August 1888.
† Due to Doorga Pooja holidays fell earlier last year.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 24th September 1887			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs		Rs	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	16,261	130	125	18,985	152	125	3,29,842	104	125	*3,19 245	100		10,597

* Audited up to 11th August 1888

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 22nd September 1888, on 86 miles open.

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	No of passengers	Coaching receipts	Weight carried.	Receipts			Coaching	Merchandise.	Total.
		Rs A P	Mds s.	Rs A P	Rs A P	Rs A P			
Total traffic for the week	14 731	4,245 0 0	19,567 0	2,419 0 0	558 0 0	7 212 0 0	2 783	332	3,115
Or per mile of railway	171	49 0 0	228 0	28 0 0	7 0 0	84 0 0		.	
For previous 11 weeks of half year	*141,006	42,145 0 0	*1,50,256 0	8 587 0 0	2 928 0 0	*53,660 0 0	27 887	6,265	34 152
Total for 12 weeks	155,737	46 390 0 0	1 69 823 0	11,006 0 0	3 486 0 0	60,872 0 0	30,670	6 587	37,257
COMPARISON									
Total for corresponding week of previous year	10 701	4 491 0 0	12 965 0	1,062 0 0	30 0 0	5 773 0 0	2 639	326	2 964
Per mile of railway corresponding period of previous year	124	55 0 0	151 0	12 0 0		67 0 0		..	
Total to corresponding date of previous year	137,487	42 760 0 0	1,31,021 0	10 033 0 0	2,185 0 0	54,978 0 0	32 514	5,060	37,574

* Audited up to week ending 11th August 1888

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888			Total receipts from 1st April 1887 to 24th September 1887			Total receipts from 1st April 1888 to 22nd September 1888			Total increase in 1888 89	Total decrease in 1888 89
Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs	Rs		Rs	Rs		Rs	Rs.	Rs.	Rs.
86	5,773	67	86	7,212	84	86	1,20,737	56	86	*1 25 737	58	5,000	

* Audited up to week ending 11th August 1888

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 22nd September 1888, on 38 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,980	831 0 0	34,573 0	2,567 0 0	34 0 0	3,432 0 0	532	532	1,064
Or per mile of railway	78	22 0 0	910 0	67 0 0	1 0 0	90 0 0	......	......	......
For previous 11 weeks of half-year	*33,258	10,749 0 0	*2,31,353 0	15,965 0 0	325 0 0	27,039 0 0	5,978	5,978	11,956
Total for 12 weeks ...	36,238	11,580 0 0	2,65,926 0	18,532 0 0	359 0 0	30,471 0 0	6,510	6,510	13,020
COMPARISON.									
Total for corresponding week of previous year	3,024	1,149 0 0	8,897 0	603 0 0	31 0 0	1,843 0 0	546	546	1,092
Per mile of railway corresponding period of previous year ..	77	29 0 0	228 0	17 0 0	1 0 0	47 0 0	......	......	......
Total to corresponding date of previous year	39,435	13,818 0 0	99,003 0	8,115 0 0	549 0 0	22,482 0 0	7,084	6,708	13,792

* Audited up to week ending 11th August 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 24th September 1887.			Receipts for week ending 22nd September 1888.			Total receipts from 1st April 1887 to 24th September 1887.			Total receipts from 1st April 1888 to 22nd September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,843	47	38	3,432	90	39	62,559	64	39	*74,508	77	11,949	......

* Audited up to week ending 11th August 1888.

NALHATI STATE RAILWAY

Approximate Return of Traffic for the week ending 29th September 1888, on 27½ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,926	905 0 0	11,913 0	873 0 0	18 0 0	1,886 0 0	509	254	763
Or per mile of railway	107	36 0 0	511 0	32 0 0	1 0 0	69 0 0	......	......	......
For previous 12 weeks of half-year	33,721	11,957 0 0	1,20,032 0	7,614 0 0	1,405 0 0	20,976 0 0	6,108	4,193	10,301
Total for 13 weeks ...	36,647	12,952 0 0	1,33,945 0	8,487 0 0	1,423 0 0	22,862 0 0	6,617	4,447	11,064
COMPARISON.									
Total for corresponding week of previous year	3,109	1,090 0 0	9,009 0	521 0 0	6 0 0	1,617 0 0	509	254	763
Per mile of railway corresponding week of previous year ..	114	40 0 0	331 0	19 0 0	......	59 0 0	......	......	......
Total to corresponding date of previous year	41,705	14,612 0 0	1,20,492 0	7,710 0 0	2[illegible]2 0 0	22,574 0 0	6,799	4,156	10,935

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,617	59	27½	1,886	69	27½	45,370	65	27½	49,067	69	3,197	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 29th September 1888, on 259 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open	40,871	13,181 0 0	1,25,689 0	10,046 0 0	2,658 0 0	25,885 0 0	4,494	4,523	9,016
Or per mile of railway	158	51 0 0	485 0	39 0 0	2 0 0	92 0 0*	......	......	......
For previous 12 weeks of half-year	411,229	1,28,770 0 0	15,56,450 0	1,18,490 0 0	28,500 0 0	2,75,760 0 0	62,096	59,315	121,411
Total for 13 weeks ...	452,100	1,41,951 0 0	16,82,139 0	1,28,536 0 0	31,158 0 0	3,01,645 0 0	66,590	63,837	130,[illegible]
Comparison.									
Total for corresponding week of previous year on 249 miles open	32,352	11,137 0 0	91,313 0	9,093 0 0	2,157 0 0	22,387 0 0	5,711	4,488	10,199
Per mile of railway corresponding week of previous year ...	130	45 0 0	367 0	37 0 0	......	82 0 0*	......	......	......
Total to corresponding date of previous year	506,331	1,77,926 0 0	14,89,813 0	1,36,420 0 0	42,563 0 0	3,56,909 0 0	83,528	60,436	143,964

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888-89	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	22,387	90	259	25,885	100	249	8,12,242	125	259	7,95,300	118	....	16,942

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 29th September 1888	12,008
Corresponding week last year	11,908
Increase	100
Receipts from 1st July to 29th September 1888	1,58,979
From 1st July to 1st October 1887	1,28,061
Increase	30,918
	Miles.
Miles open week ending 29th September 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 29th September 1888	235 7 3
Corresponding week last year	233 7 10
Increase	1 15 5

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CONTENTS.

RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE SALT DEPARTMENT FOR THE YEAR 1887-88

FINANCIAL DEPARTMENT—SALT.

Darjeeling, the 9th October 1888.

RESOLUTION.

READ—

The Report of the Board of Revenue on the Administration of the Salt Department for the year 1887-88.

During the year under review there were two important administrative changes, (1) the increase of the duty on all kinds of salt from Rs. 2 to Rs. 2-8 per maund, and (2) the extension of the Indian Salt Act XII of 1882 to the districts of the Orissa Division, and the formal transfer of the control of the Salt Department to the Commissioner of Salt Revenue, Madras. The result of the increase in duty, which took effect from the 19th of January last, on the consumption of salt, was not discernible, the Board report, during the year under review, but it should be noticed in reporting on the administration of the current year.

2. The following statement shows the receipts and charges of the Department during the past six years:—

Heads.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	Increase in 1887-88 compared with 1886-87.	Decrease in 1887-88 compared with 1886-87.
RECEIPTS.	Rs	Rs	Rs.	Rs	Rs.	Rs.	Rs.	Rs.
Imperial—								
Import duty on salt	1,74,72,614	1,73,15,875	1,91,90,460	1,80,36,071	1,94,85,100	1,85,30,950	.	9,54,150
Excise ditto ..	7,27,526	8,82,118	10,11,999	9,62,137	4,71,315	3,82,854		88,461
Total ..	1,82,00,140	1,81,97,993	2,02,02,459	1,89,98,208	1,99,56,415	1,89,13,804	..	10,42,611
Provincial—								
Rent of warehouses	1,23,582	60,160	85,245	65,192	68,445	45,726	.	22,719
Miscellaneous .	41,417	39,824	39,311	36,283	33,675	32,482		1,193
Total	1,64,999	99,984	1,24,556	1,01,475	1,02,120	78,208	.	23,912
TOTAL RECEIPTS	1,83,65,139	1,82,97,977	2,03,27,015	1,90,99,683	2,00,58,535	1,89,92,012	.	10,66,523
CHARGES								
Imperial—								
Salaries establishments and contingencies	.	9,728	5,824	6,253		.	...	..
Compensation paid under conventions with the French Government.	20,000	20,000	20,000	20,000	20,000	20,000	. ...	......
Salt preventive establishment in Orissa and Narainganj.	16,064	15,117	13,109	12,362	217	.	.. ...	217
Refunds of customs duty on salt	2,84,801	1,87,068	2,11,905	1,85,726	2,05,369	2,02,044	....	3,325
Total	3,20,865	2,31,913	2,50,338	2,24,341	2,25,586	2,22,044		3,542
Provincial—								
Salaries, establishments and contingencies	17,626	18,320	21,048	18,130	11,005	12,368	1,363	
Refunds other than customs and excise duty			65	59	.	.	...	.
Total	17,626	18,320	21,113	18,189	11,005	12,368	1,363	.. .
TOTAL CHARGES	3,38,491	2,50,233	2,71,451	2,42,530	2,36,591	2,34,412		2,179
Approximate net revenue	1,80,26,648	1,80,47,744	2,00,55,564	1,88,57,153	1,98,21,944	1,87,57,600	.	10,64,344

The results of the year under review, as compared with the previous year, show a decrease of Rs. 10,66,523, or 5·3 per cent. in the receipts, and of Rs. 2,179, or ·9 per cent. in the charges. There was a decrease under all the heads of receipts; that under the head of Duty was due to smaller clearances, and that under the head of Rent of warehouses to the reduction of the rate of rent from Rs. 5 to Rs. 3 per 1,000 maunds. The decrease in the charges was nominal.

3. The total quantity of salt in stock at the commencement of the year was 10,14,529 maunds: of this 8,49,348 maunds had been imported, and the remainder was excise salt. During the year 99,86,076 maunds were imported, and 1,03,559 maunds were manufactured, against 1,03,79,688 maunds and 66,483 maunds, the corresponding figures for last year. The stock in hand at the close of the year was 11,75,347 maunds. Importation of salt was confined during the year to the ports of Calcutta and Chittagong. There was a decrease of 3,93,340 maunds as compared with the total quantity imported in the previous year. Salt was imported chiefly from the United Kingdom, Bombay, Arabian and Persian Gulfs, and Aden. The trade with Italy, which was formerly only second in importance to that with the United Kingdom, ceased entirely this year, owing, it is said, to the growth of transactions with Aden and other Arabian ports. The receipts from the Arabian and Persian Gulfs and Aden are increasing rapidly, but the absence of imports from India, and the recent development of Perim as a coaling station, are likely to interfere with the facilities for exporting salt from the latter port. The clearances of salt from ship-board showed a decrease of 4,35,806 maunds, or 5·5 per cent., in Calcutta, and an increase of 23,197 maunds, or 28 per cent., in Chittagong. The total quantity cleared from bond in all ports amounted to 17,59,788 maunds, against 18,09,213 maunds in 1886-87, and realized a duty of Rs. 36,75,377, against Rs. 36,18,426.

4. Salt was manufactured under the Excise Rules in Orissa alone. Compared with the previous year, the quantity of salt manufactured in Cuttack diminished by 12,526 maunds, owing partly to the reduction in the number of aurungs, and partly to the loss sustained during the heavy rains of June and July 1887. In Balasore the decrease, amounting to 32,532 maunds, was caused

by large importations of Liverpool salt; while in Pooree there was an increase of 82,134 maunds, due to the resumption of business by the manufacturers, who, being apprehensive of the Madras Rules, had given up the industry in the previous year. The sales of excise salt decreased from 2,35,657 maunds to 1,82,860 maunds in quantity, and the amount of duty realized fell from Rs. 4,71,315 to Rs. 3,82,854. The decrease is attributed to the importation of salt from Ganjam and Liverpool, and to the cessation of the manufacture of Punga salt.

5. The consumption of salt in the saliferous districts fell off from 10,68,515 maunds in 1886-87 to 10,62,402 maunds in the past year. The decrease occurred in all the districts except Chittagong and Balasore, where there were small increases of 571 maunds and 851 maunds respectively. There was an increase of 80, or 22 2 per cent., in the number of seizures, while there was a decrease of 1,123 maunds, or 69 per cent., in the quantity of salt attached, and of 525 maunds, or 91·4 per cent., in the quantity of salt confiscated. The number of cases instituted for offences against the Salt laws increased from 425 in 1886-87 to 501 in the present year. The amounts realized as fines and disbursed as rewards were Rs. 2,300 and Rs. 1,307, against Rs. 2,327 and Rs. 1,904, respectively, in the previous year.

6. The following table compares the despatches of salt into the interior by the different water routes and railways during the past two years—

YEAR.	*Viá* B	*Viá* Sal	Gen	*Viá* Kuld	*Viá*	Total carr water.		By the Eastern Bengal and Calcutta and South-Eastern Railways or *viá* Chitpore	*Viá* Ruthtolla Ghat.	Total carried by rail.	GRAND TOTAL.
	Mds	Mds	Mds	Mds	Mds	Mds.	Mds.	Mds	Mds.	Mds	Mds.
1886-87	12 42 835	6,80 524	3,57,255	3 15 628	16,20 991	42,17 233	37,37,657	6,06,808	5,23,834	48 68 299	90,85,532
1887-88	12 03 053	6,50,216	3,18 793	3,20,585	15,90,874	40,83,521	37,75 346	9,39,374	1,37,563	48 72,283	89,55,804
Increase				4,957			37,689	3,32,566		3,984	
Decrease	39,782	30,308	38,462		30,117	1,33,712			3,86,271	.	1,29,728

From the figures given above, it appears that there was a decrease of 1,33,712 maunds in the quantity of salt conveyed by water, and an increase of 3,984 maunds in the despatches by rail

7. The quantity of salt bonded during 1887-88 was 21,53,021 maunds, against 21,01,423 maunds in the previous year. The increase occurred entirely in the bonding of Liverpool salt, and may be ascribed to the reduction in the rate of rent which came into operation at the beginning of the year. The quantity remaining in store at the end of the year was 10,37,324 maunds, against 8,08,374 maunds at the commencement.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

RESOLUTION ON THE REPORT ON THE OUTSTILL SYSTEM IN HOOGHLY AND HOWRAH.

FINANCIAL DEPARTMENT—EXCISE.

Darjeeling, the 13th October 1888.

RESOLUTION.

When the outstill system was generally introduced in these Provinces, one of the tracts excluded from its operation was the Revenue district of Hooghly, including Howrah. Subsequently the sub-division of Jehanabad, which was under the outstill system, was transferred from the jurisdiction of Burdwan to that of Hooghly. The shops in the excluded tracts were supplied from five distilleries (Bhastara, Radhanagore, Mohiari, Hooghly and Serampore), of which the first three were situated at some distance from district or sub-divisional head-quarters. One of the recommendations of the Excise Commission was that the Bhastara and Radhanagore distilleries should be closed, and that the Mohiari distillery should be removed to the head-quarters of the Uluberia sub-division. The Board of Revenue, on examining the question in communication with the local officers, came to the conclusion that a preferable measure would be the extension of the outstill system to the whole area hitherto supplied with liquor from those distilleries. It was pointed out that the fees realized from Bhastara and Radhanagore did not even cover the expenses of the repairs of the buildings, much less the cost of the establishment maintained at the distilleries. The fees paid in 1885-86 were Rs. 106-14, against establishment charges only of Rs. 1,900. And there were clear indications that the requirements of liquor-consumers were to a great extent supplied by smuggling from the adjoining outstill tract. The proposed distillery at Uluberia, on the other hand, would have had to supply a tract separated by river only from the outstill jurisdiction of the 24-Pergunnahs on one side and Midnapore on the other, and there was evidence that smuggling of outstill liquor was rife in this part of the Howrah district. The Board accordingly, influenced by the strong representations of the local officers, recommended, in preference to the proposals of the Excise Commission, the extension of the outstill system to the whole of the Hooghly Revenue district, with the exception of a densely populated suburban area extending from Mugra to the southern limit of the Howrah Municipality. This proposal was accepted by Sir Rivers Thompson in Government orders No. 2071T—F, dated 3rd November 1886, as well as the Board's proposal to appoint a specially qualified Excise Deputy Collector to supervise the arrangements connected with the change of system. As was observed in Government Resolution, dated 5th December 1887, the result was the reduction of the number of distillery shops from 139 to 47, while the number of outstills in the district was only increased from 30 to 52. In November 1887, the Lieutenant-Governor received from the Secretary to the Indian Association a letter in which it was declared that, under the new system, facilities for obtaining liquor had been provided; that the price of liquor had been largely reduced; and that crime, immorality and drunkenness had increased. The Association supplied statements put forward by its agents, and Sir Steuart Bayley, deeming it right to cause such definite allegations to be thoroughly investigated, deputed to this duty Mr. E. V. Westmacott, Magistrate of Howrah.

2. Before Mr. Westmacott's report was submitted, it was decided, at the instance of the Government of India, to depute a special officer to Madras and Bombay to study the systems of Excise in force in those Presidencies, and since that time the Secretary of State has requested that the comparative merits of the outstill and other systems may be carefully examined in their application to Excise Administration in Bengal. These enquiries are still under consideration. A copy of Mr. Westmacott's report was, however, unofficially supplied to the Board of Revenue some time ago, and the Lieutenant-Governor is anxious that the recommendations which it contains may be carefully considered in all districts before the ensuing Excise settlements for 1889-90. The changes of system indicated in Mr. Buckland's report are of such a nature as to require very

long and careful consideration, and would take a considerable time to mature, even should they be eventually approved. Meanwhile, it is expedient to reform the defects discovered in our existing machinery, and from this point of view Sir Steuart Bayley deems it advisable to review briefly the conclusions at which Mr. Westmacott has arrived on the representations of the Indian Association.

3. At the outset, the Lieutenant-Governor desires to express his acknowledgments of the public service rendered by the Association in examining the subject of the outstill administration in Hooghly and Howrah, and laying before Government the allegations of its agents and correspondents. Those allegations have been fully and patiently investigated by Mr. Westmacott; and though some of them have not borne the test of enquiry, the scrutiny to which they have been subjected has had the result of making manifest several defects, which it is both the duty and the interest of Government to remedy. Notwithstanding that the recommendations of the Excise Commission in regard to the capacity of stills and fermenting vats have been nominally introduced, it has been found that the effect of these measures has been practically neutralized, and the consumption of intoxicating drink increased, by the selection of inappropriate sites for shops, by an unduly low rate of duty being fixed on the estimated consumption in calculating the upset price of the stills, and by the capacity of stills and vats originally fixed being "afterwards increased in proportion to the fees the abkars were willing to pay for their licenses," thus giving rise to an undue cheapening of liquor and offering improper facilities for its sale in the interior and its introduction surreptitiously into the urban and suburban areas under the fixed duty system. It is not too much to say that the safeguards which the Excise Commission considered absolutely essential to justify the continued existence of the outstill system have in this tract been so little kept in view that the system became scarcely distinguishable from that which in paragraph 102 received the severe condemnation of the Commission as being likely to foster the very evils which Mr. Westmacott's report has brought to light. On this point the Commission say, in comparing the sudder distillery with the outstill system :—

"There is no difference in principle between the two systems, provided care be taken to limit the producing capacity of the outstills, and to make the revenue paid on each proportionate to its capacity. On the other hand, there is a radical difference between any system under which stills are taxed according to their producing power, or a duty is levied on the amount produced, and any system under which the distiller obtains the privilege of making as much spirit as he can on payment of a sum fixed without reference either to the amount actually produced by him or his means of production. The Commission have no hesitation in condemning the latter for all times and places, whether it takes the form of outstills without limit of producing power, or farms, or any similar arrangement."

The Lieutenant-Governor accepts generally the views contained in the whole of this paragraph, and whatever may be his decision ultimately as to the possibility, under proper safeguards, of so working the outstill system as to free it from the reproach of artificially stimulating the sale of an unnecessarily cheap liquor, he is confident that in this instance those safeguards have not been carefully applied, and the reproach above indicated has been incurred because the system, to which alone the Commission gave its approval, has not been properly, and with all its necessary restrictions, introduced. Its introduction at all into this tract was an exception to the general policy adopted, and it was therefore specially desirable that there should be no relaxation in the safeguards which were recommended. It is probable that in other parts of Bengal the errors brought to light by Mr. Westmacott may equally obtain; and without attempting to decide, without further experience, whether the outstill system, as safeguarded by the recommendations of the Commission, can ultimately be maintained, the practical matter for immediate consideration is the reform of errors in the administration of the system actually in force over the greater part of Bengal.

4. It is unnecessary for the Lieutenant-Governor to discuss in detail each individual statement of personal experience which the informants of the Indian Association have brought forward. These have been examined by Mr. Westmacott. It will be more profitable to consider the general issues arising out of the representation which has been submitted to Government.

5. The first point which Mr. Westmacott's enquiry has established, is the extremely objectionable position in which most of the outstills have been

placed. Of the eight outstills referred to specially by the Indian Association, and reported upon in detail by Mr Westmacott (Singur, Kristonugger, Amta, Haripal, Sripore, Chanditolla, Jhapurda and Juggutbullubpore), every one is described as occupying an objectionable site. It is shown that they are situated on the public roads, in the middle of villages, or close to schools, or at the junction of great lines of communication. It is impossible to avoid the conclusion that, in selecting these sites, the Special Deputy Collector failed to have regard to some of the most important considerations of Excise Policy, and that his proceedings were insufficiently controlled by the local authorities. On this point Mr. Westmacott observes:—"The outstills generally occupy the sites of previously licensed shops, but the fact that liquor is now drunk on the premises to a much greater extent that before, added to the smell inseparable from the process of distillation, renders the outstill a far greater public nuisance than the shop ever was." It is also to be observed that those shops were very much more numerous than the outstills, and the concentration of drinkers at the outstills called for increased care in the selection of their sites. The circumstance, to be presently referred to, that liquor has been much cheapened under the outstill system is another cause of the increased consumption on the spot, thereby bringing into greater prominence the prevalence of intoxication. It is Mr. Westmacott's opinion that much of the feeling against the outstills in Hooghly has arisen from their objectionable positions: and he recommends that no outstill should be permitted within at least one furlong of any town or market-place, or any road leading to it. He also recommends that, where the dealer cannot procure an objectionable site, or is unwilling to sink his money in a temporary venture, the Government should take up the land required and let it out to the outstill licensee. This is a question on which the Lieutenant-Governor would be glad to have the Board's opinion. There are obvious objections to the Government being more closely connected than it is at present with the direct manufacture and sale of spirits; but from the point of view of increased control and better supervision the proposal has much to recommend it. It is clear that spirit cannot be manufactured after the country method, in the midst of a populous bazar, without grave inconvenience to the comfort and health of the inhabitants, and without offering patent and needless facilities for intoxication. The existing arrangements must be thoroughly revised before the next settlements. Having regard, however, to the density of the population in parts of the tract in question, and particularly of the villages referred to by the Indian Association, the Lieutenant-Governor would wish the Board to consider whether it might not be advisable in some cases to apply the system adopted, on the recommendation of the Excise Commission, for towns in which the establishment of central distilleries is not desirable. Liquor is manufactured outside the inhabited portion of the village, and is sold at retail shops in selected places. Whatever may be the decision on this point, the retention of most of the existing sites referred to by Mr. Westmacott cannot clearly be permitted.

6. It is alleged by the Indian Association that, while the position of the outstills has facilitated the supply of liquor and presented temptations to drinking, the lowering of the price of liquor has largely stimulated its consumption. Mr. Westmacott's enquiry has shown how seriously the price of liquor has been lowered, and how little restriction has been placed on the abkari's natural desire to extend his manufacture and his sale of the cheapened liquor. He admits, too, that these causes have necessarily led to an increase of consumption, though the conclusion he draws as to actual increase in drunkenness among the drinking class, or the spread of habits of drinking to classes previously free from them, is different. Mr. Westmacott rightly draws attention to a misleading form of expression employed both by the Indian Association and by other bodies and persons who have discussed the question of Excise Administration in this country. The words "sobriety" and "drunkenness" are frequently used to indicate habits and conditions very different from those suggested by the use of these terms in countries where no class of society can be described as total abstainers from the use of intoxicants. By the term a "sober" man is represented, not a man who preserves his sobriety, though he may use stimulants in moderation, but a man who rigidly abstains from their use; by the term a "drunkard" is understood, not a man who drinks to intoxication, but a

man who drinks at all. This confusion of terms has undoubtedly caused much misapprehension, and led to the acceptance and promulgation of very exaggerated views of the extent and intensity of the evils caused by errors in Excise Administration. That the price of liquor has, however, been seriously reduced under the outstill system in Hooghly there can be no question whatever: the remedy will be discussed further on. Mr. Westmacott's enquiry has shown that in this particular tract it is not the case, as is generally supposed, that outstill liquor is weaker than that supplied from the central distilleries. An interesting table given by him shows that, especially at outstills in the vicinity of the sudder distillery area, liquor has been manufactured of a strength considerably exceeding that of liquor formerly supplied from the distilleries, while it is nevertheless sold at a much lower price. At Sarenga, for instance, in the head-quarters sub-division of Howrah, the strength of the liquor was found to vary from 18° to 15° under proof, and the price from 6 annas to 10 annas per bottle; while the three shops which this outstill has replaced sold, in 1886-87, liquor not stronger than 28° under proof at one rupee per bottle. Generally he finds that in the Hooghly sub-division and in Serampore there is no material difference between the strength of distillery and that of outstill liquor. In the Howrah sub-division outstill liquor is considerably stronger than the distillery liquor, but the outstills probably distil strong liquor to be smuggled into the urban areas of Howrah and Calcutta. The fact, however, that the cheaper liquor of the outstills is yet as strong as the old liquor of the sudder distillery is an undoubted element in producing increased consumption.

The evidence which Mr. Westmacott has obtained appears to support his conclusion that "the cheapening of liquor has not induced its use among classes who previously abstained from it; and in the classes which previously drank, the number of individuals who use liquor has not been proved to have greatly increased: still less is it proved that there is more drunkenness." He does not find that the allegations that habits of drinking have spread among women, among schoolboys, among persons of the higher classes, or among land-holding peasants, are accurate; and his view is supported both by the statements of local witnesses and by the opinions of officials of experience. Nor does he find that, even among landless labourers, the increase in drinking at all represents an equal increase in drunkenness. It is clear, however, that such a result must follow if the reduction in the price of liquor were to be maintained; while nothing can be more obvious than that the revenue has suffered grievously by the very cause which promotes the consumption of spirits, and threatens the spread of intemperance. The Lieutenant-Governor fully concurs in Mr. Westmacott's recommendations for the imposition, by raising the upset price of the outstills, of a graduated scale of duty, beginning, on the border of the urban area, with a rate very little less than that levied at the sudder distilleries. His recommendations on the subject of limiting the capacity of stills are not equally clear and convincing Apparently he thinks that a strict limitation will be met on the part of the abkars by having recourse to a shorter period of fermentation and using a thicker wash, which is found in distillation to produce a large amount of fusel oil, rendering the liquor unwholesome. He would therefore forego the attempt to limit the size of the stills and vats. In this view, the Lieutenant-Governor cannot concur. Unless the experiment of limiting their capacity, or, in other words, of restricting the amount of proof spirit to be distilled in a month in each outstill, can be successfully carried out, Sir Steuart Bayley is unable to see how the outstill system can fail to degenerate into one under which the outstill-holder becomes a farmer pure and simple, with full power and every inducement to cheapen his liquor and increase the consumption thereof to the utmost possible extent. The mere raising of his upset price will not remedy this. It will diminish his profits in the first instance, but this will only push him, by every device, legitimate and illegitimate, to seek more customers. The attempt, through the medium of an upset price, to assimilate the duty paid by the outstill holder on every gallon of liquor manufactured by him, with the still-head duty paid at the sudder distillery, is manifestly nullified when the outstill-holder has it in his power to increase his outturn *ad libitum*, and thereby reduce the duty paid on each gallon; and under Mr. Westmacott's proposal he would have this power to an extent unrestricted by anything but the limits within which his capital and

enterprise would enable him to push his sales. In fact, the system approximates perilously to that which the Excise Commission specially condemned and desired to exterminate. The Lieutenant-Governor is not blind to the dangers pointed out by Mr. Westmacott, as well as by the Commission, but he must insist on the safeguards of limited capacity in the stills, and a similar, though, in proportion, a somewhat less restricted, capacity in the vats, so as to avoid the temptation to too short fermentation, being given a full and fair trial, for it is his present opinion that, unless by this or some other means the outturn of liquor from an outstill can in practice be restricted, it will be exceedingly difficult, if not impossible, to justify the continued retention of the system.

The Lieutenant-Governor agrees with Mr. Westmacott in his views as to the expediency of fixing a more adequate minimum price also. The Board will be asked to give careful attention to these suggestions before the next settlements, and to report upon the suggestion, which at first sight does not commend itself to the Lieutenant-Governor, that the excise detective establishments should be placed under the regular Police Administration of the district.

7. As has been stated above, the Lieutenant-Governor is not at present prepared to pronounce finally upon the system or systems to be adopted in Bengal; but with the removal of outstills from objectionable sites, a real and practical limitation in the supply of liquor, an increase in its cost by the imposition of higher rates of fees, and an increase in the minimum price to be charged, it may confidently be hoped that the grounds of complaint, which have been most reasonably put forward in Hooghly and Howrah, will cease to exist. Mr. Westmacott's enquiry, however, indicates distinctly, in the interests both of public morality and of the State revenue, the need of examining the administration of the outstill system in other districts in the light of the conclusions which he has established. He remarks :—" Consumption has been allowed to increase, while excise revenue has been sacrificed by the policy of dealing with each district separately, and by permitting unnecessary differences in the incidence of duty on liquor in adjoining tracts." The whole scope of his report tends to support the opinion, which is held by many high authorities, that the administration of Excise in Bengal should, as in other Provinces, be placed under the charge of a special officer, whose duty would be to visit every district, and examine and direct the operations of the department in personal communication with the local officers. This question is under reference to the Government of India in connection with Mr. Buckland's report of his enquiry in Madras and Bombay. Meanwhile, Mr. Westmacott, on being relieved of his present appointment of Commissioner of the Burdwan Division, will be placed on special duty under the Board of Revenue, and charged with the supervision of the approaching Excise settlements.

8. In conclusion, the Lieutenant-Governor desires to thank Mr. Westmacott for the thoroughness and impartiality of his enquiry, and for the lucid and well-considered report in which he has embodied its results.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

FLOODS IN THE DISTRICT OF MIDNAPORE.

THE following papers are published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secy. to the Govt. of Bengal.

Dated the 16th October 1888.

No. 40RG, dated Burdwan, the 2nd October 1888.

From—E. V. WESTMACOTT, ESQ., Offg. Commissioner of the Burdwan Division,
To—The Secretary to the Government of Bengal, Revenue Department.

IN continuation of my No. 28RG of the 11th ultimo, I have the honour to forward copy of Mr. Vowell's report (his No. 3478G of the 29th September 1888) on the floods in the district of Midnapore, and to draw special attention to the part of it relating to the Contai sub-division. The engineering questions, and the eventual result of the loss of crops, may be left for future consideration; the immediate question is that of providing shelter and food for those who have been rendered houseless. Respecting this, I telegraphed to Mr. Vowell for further information, and he replies—

"Houseless, sheltered in remaining houses or in sheds or embankments, feed themselves by loans if poor." The prices of rice, which Mr. Vowell quotes, do not indicate any scarcity of food, so long as the people have wherewithal to buy it. I am telegraphing to Mr. Vowell to spend whatever is necessary to provide shelter and food for those who cannot provide for themselves, and to hire the boats he finds necessary for the officers deputed on enquiry. I approve of the measures he has taken, and request that the two Sub-Inspectors of Police whom he has deputed may be relieved by other officers deputed to perform their ordinary police duties.

I intend to visit the Contai sub-division shortly.

No. 3478, dated Midnapore, the 29th September 1888.

From—C. VOWELL, ESQ., Magistrate of Midnapore,
To—The Commissioner of the Burdwan Division.

WITH reference to the telegram noted on the margin, received from the Secretary to the Government of Bengal, I have the honour to forward a report on the recent floods complete for the whole district, my last, No. 1818 of the 8th instant, having dealt principally with the Ghattal sub-division which I had then just visited.

Dated 22nd instant.

2. I have now been over the worst parts of the Contai sub-division in company with the Sub-divisional Officer, and returned through the centre of the head-quarters sub-division, which also lies under water.

3. The flooded tracts are—

(1) In Ghattal the Daspore thana and part of Ghattal thana; rather more than 100 square miles flooded by the Silye and Cossye.

(2) In Tumlook nearly the whole of Kasijora pergunnah flooded by the Cossye, 63,000 acres.

(3) In the head-quarters, part of Sobong thana and almost the whole of its outpost Mainah, 106 square miles.

This area was flooded partly from the Kalighai river bursting a zemindary embankment, and partly by water from the north breaking a tuccavi embankment on the Buxi khal.

(4) In Contai—

(a) The Dubda basin flooded partly by water being jammed back across the canal, the outlets to the east having silted up, 30—50 sq are miles

(b) Large portions of the Bhagwanpore and Pataspore thanas, rather more than 150 square miles, flooded through defective drainage.

In the whole of these areas there has been very little immediate loss either of human life or of cattle, but the destruction of mud huts has been great, and deaths by snake-bite and of children from drowning are common. The cattle, as far as I saw, were not badly off, as there was plenty of fodder to be found among the roofs of fallen houses.

4. As regards Ghattal, the thana of Daspore has been unfortunate in losing its crops in 1885 and again in 1887, and having had only a poor one in 1886. It has, however, the compensating advantage of being able to grow a *boro* crop by damming up some of the rivers.

The flooded area has been plotted out into charges by the Sub-divisional Officer, who receives regular reports on the condition of the people; and as the sub-division is in close communication with Calcutta, and the labouring classes are in the constant practice of going there to work, I do not apprehend cause of anxiety. The Sub-divisional Officer received Rs. 200 from a former flood fund, and distributed a part of it in rice, when the first rush of the water rendered it difficult to obtain provisions. The last advices from him continue favourable. The *kaimonto* was being resown where possible, *boro* planted for seedlings, and labourers going away in large bodies for work.

5. In Tumlook, the Kassijora pergunnah suffered the heaviest loss, but in other parts damage was also done. In Kassijora *boro* can be resown. The pergunnah was badly flooded last year, but afterwards reaped a good *boro* crop.

A Committee to relieve distress has been started and a small subscription raised. The Sub-divisional Officer reports that some applications for loans under the Agricultural Loans Act have been made. The population of the sub-division is fairly well-to-do, and many of the labourers emigrate every year for work during the cold season. The case of this subdivision will be sufficiently met by private charity and by loans under the Act.

6. In the Sobong thana of the head-quarters sub-division the floods are said to have risen 1½ feet above previous record, and it is marvellous there was no loss of life. Even now, after it has fallen 7 feet, the water is high on the villages. The cattle driven on to the tops of the embankments were said in places to have been standing belly deep in water. The loss of houses here, it is needless to say, is great.

The Mainah pergunnah is a very fertile one, and in a report on the last flood in 1885, it is stated that, the people say of it, one crop in five is sufficient to support the population. Previous to 1885 there had been a number of good seasons. The water will run off in October as the Kaliaghai falls; and I have requested the Executive Engineer to make further cuts in the embankment without calling for security in order to facilitate this. *Boro* can be grown to a small extent and winter crops, such as onions, *kalai-bhaunt* and *til* on the homestead patches.

The Canoongoe has been engaged during the week in receiving applications and making the necessary enquiries under the Agricultural Loans Act, and 400 petitions for loans have already been put in; the embankments have been extensively breached, and the expenditure on them must be large. The work is done by local labour, and I have asked the Executive Engineer to start repairs as soon as possible.

The people were already repairing their houses with mud, which had to be transported from distances in boats.

The part of the sub-division will, for the present, be watched by Baboo Bissessur Banerjee, Deputy Collector, who has a thorough knowledge of the district, and by the Canoongoe; but I do not think anything beyond private charitable relief will be necessary.

7. In Contai we have first the Dubda basin. Little need be said of it except to express a hope that a remedy may be found, as the sluices through the canal intended for its protection have only aggravated the mischief. The entire crop has been destroyed, and the water is still standing. *Boro* cannot be grown here, but there was a good crop last year, and there have been no floods for the previous ten. Relief will not therefore be necessary.

8. The most serious case is that of the Bhugwanpore and Pattaspore thanas of this sub-division. Here there is a lake of water as far as the eye can reach. Even the homestead patches are submerged, and the houses are in many cases either fallen or half under water.

A good deal of the land is held by the ryots of estates at present under Government management, and you are aware from previous reports how this area has been long suffering from destruction of its drainage channels consequent on the silting back of the rivers. Large tracts of the land have borne no crop for three or four years, and are becoming covered with rushes and water weed, showing that the water stands throughout the year. The rim of the basin has this year been much extended by the heavy rains which found no outlet, and the water has deepened so considerably as to destroy houses even on elevated sites.

There is no prospect of any crop, nor of any earthwork in the immediate neighbourhood, and the mahajans are naturally enough withholding loans, there being no visible security or prospect of any. Harvesting in other districts will not commence till December, nor can much be done on roads or embankments locally before the middle of November at earliest.

9. The prospect, therefore, is serious; and if the Engineering Department find no immediate remedy, and the people do not emigrate *en masse*, widespread measures of relief will shortly become necessary. The Sub-divisional Officer, as you are aware, proposed to spend Rs. 18,000 a month on gratuitous relief, the only form possible, basing his calculation on 90 villages with a population of 16,000 requiring maintenance.

After going over the ground with him, I do not think this expenditure to be immediately necessary. The people are of course much depressed by the outlook, but there were no signs of lack of food, and the villages seemed to contain the ordinary proportion of well-nourished persons. The children indeed seemed rather above than below the average. They have been selling their cattle largely at low prices, as it is impossible to keep them under the circumstances. Those that remained were in fair condition.

There was no general cry for food, although people crowded round petitioning to have the water drained away.

We met the Agent of the Contai Relief Committee. Only a small sum had been given him, and he had distributed some 20 maunds of rice. We saw the Pattaspore zemindar and respectable persons of the neighbourhood. From none of these did I gather that relief was urgent. I had also placed Rs. 200 in the hands of the Sub-divisional Officer, but up to date nothing had been expended. The pinch, if it comes, will be from the end of October till the middle of December.

When urged to go away to seek work, the reply of the men was that they could not leave their families now without any roof to cover their heads. But in the end, the destruction of the houses may turn out to be rather fortunate than otherwise, as having no funds to rebuild it may compel them to move off in search of a kindlier soil, instead of lingering on in a state of semi-starvation.

When charity or relief comes, I would, therefore, deprecate its application to the rebuilding of any dwellings in this submerged country.

10. For the present, I have placed the Sub-Deputy Collector in immediate charge of this area. He will be assisted by two Sub-Managers of the Khas Tehsil Department and by two Sub-Inspectors of Police. I would request your sanction to the immediate employment of two other Sub-Inspectors to carry on the ordinary thana work. I propose these officers, because they know and are known to the people. They will therefore obtain reliable information more easily, and their presence will not lead to any general cry for assistance.

My instructions, have been to them to move constantly about, making unobtrusive enquiries into the condition of the poorer classes, and noting where relief is likely to be first required, and advising the people to move off in search of work. They have also to find out where any *boro* can be grown, and, if necessary, offer Government loans under the Act, and to assist traders in transporting grain for sale to outlying villages.

Three boats will be necessary for this staff at a cost of Rs. 70 a month, and I also request authority to spend up to Rs. 5,000 in anticipation of sanction in case any urgent and unforeseen necessity may arise. I shall myself again visit this part in a month, and the Sub-divisional Officer will go there shortly before me.

11. In conclusion, I have to report that the crops, where not damaged by floods, promised to be good over the whole district.

Prices rose about 2 seers the rupee in the flooded tracts the week after the flood, but fell again almost immediately. They now stand as noted in the margin, and grain is being exported to Calcutta. As you will remember, prices were very low during the cold weather, and the ryots held back their stocks waiting for a rise.

	Per rupee, course rice. Srs.	Ch.		Per rupee, course rice. Srs.	Ch.
Midnapore ...	21	0	Egra	24	0
Debra ..	22	0	Pattaspore ..	21	0
Sobang .	20	0	Bhagwanpore ..	18	0
Keshpore .. .	22	0	Khedgri . ..	21	0
Gurbetta . ..	25	0	Tumlook	18	0
Salboni . .	22	0	Pan c rah ..	18	0
Jhargram .. .	24	0	Moisadal	16	8
Binpore ..	30	0	Nundigram ...	18	0
Narainghur	20	0	Sutahatta	14	12
Dantoon . ..	28	0	Ghattal	21	0
Gopiballavpore ..	28	0	Daspore .	17	0
Contai ...	20	0	Chundrakona ..	20	0
Roghunathpore ..	20	0			

With the exception of the Contai subdivision, the health of the people has not yet suffered. In Contai fever has been and is very bad, but this is not primarily due to the floods under report. Special supplies of febrifuge have been asked for.

The District Board has been asked to start earthwork at as early a date as possible; and I request that similar instructions may be given to the Public Works Department as regards the embankments.

A meeting will be held on the 3rd proximo to obtain subscriptions.

No. 200TR, dated Darjeeling, the 13th October 1888.

From—H. W. C. CARNDUFF, Esq., C.S., Under-Secretary to the Govt. of Bengal, Revenue Department,

To—The Commissioner of the Burdwan Division.

I AM directed to acknowledge the receipt of your letter No. 40RG, dated the 2nd October 1888, submitting copy of a report from the Collector of Midnapore, regarding the floods in that district, and in reply to say that the Lieutenant-Governor approves your action in authorising Mr. Vowell to incur the expenditure necessary for providing shelter and food for those unable to provide for themselves, and for hiring boats for the use of the officers deputed on special enquiries. Orders on your proposal for the deputation of additional police officers, to relieve the two sub inspectors engaged by the orders of the Collector in these enquiries, will be issued from the Judicial (Police) Department of this office.

2. The Irrigation Department of this Government has been requested to take into its early consideration paragraphs 6, 7, 9 and 11 of Mr. Vowell's report which relate to that Department.

3. I am to request that you will submit a further report after your visit to Contai.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 13th October 1888.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
		Western Districts.		
Burdwan Divn.	1	Burdwan Oct. 13, '88	0·52	Weather—fair and cool. Prospects of winter rice good; but rain is urgently wanted in Cutwa and Raneegunge sub-divisions. Common rice selling at 18 seers per rupee.
		Culna ...	0·26	
		Cutwa ...	Nil	
		Raneegunge ...	Nil	
	2	Bankoora „ 13, '88	Nil	Weather—bright, beginning to get cool. Rain needed for *amun* rice. Sugarcane doing well. Prices almost stationary.
	3	Birbhum „ 13, '88	0·79	Weather—fine and hot. Rain wanted.
		Rampur Hât ...	0·60	
	4	Midnapur „ 13, '88	Nil	Weather—hot in day time, cool at night. Crops generally doing well, but rain is wanted in north and west. *Aus* beginning to come into the market. Prices have slightly risen in Ghatal owing to Calcutta demand.
	5	Hugli „ 13, '88	0·08	Weather—normal. More rain is urgently wanted in Jehanabad for the rice on high lands, and would do good in the rest of the district. Otherwise prospects are good.
		Serampur ...	1·48	
		Jehanabad ...	0·06	
		Howrah „ 15, '88	0·05	Weather—seasonable. State and prospects of crops fair.
		Ooloobériah ...	Nil	
		Central Districts.		
Presidency Divn.	6	24-Perghs. Oct. 16, '88	0·83	Weather—seasonable and somewhat hot. Prospects of crops good in all sub-divisions except Diamond Harbour and Dum-Dum.
	7	Nuddea „ 13, '88	0·39	Weather—seasonable. Prospects of *amun* crop poor in Kooshtea, but good in Ranaghat. In Sudder, late rice seriously damaged by flood. Ploughing and sowing of winter crops going on.
		Kooshtea ...	0·32	
		Meherpur ...	Nil	
		Chooadanga ...	1·52	
		Ranaghat ...	1·26	
	8	Khoolna „ 13, '88	0·92	Weather—clear; hot in the day and cool in the night. Prospects of crops generally good.
	9	Jessore „ 13, '88	0·36	Weather—seasonable. Prospect of *amun* good.
		Jhenidah ...	0·37	
		Magoora ...	2·46	
		Narail ...	0·44	
	10	Moorshedabad „ 13, '88	0·63	Weather bright and clear with heavy night dews. Nights cool. *Amun* doing well. *Kalai* plants look healthy. Rain much wanted in Kandi sub-division.
		Lalbagh ...	1·94	
		Kandi ...	0·[illegible]0	
		Jangipur ...	3·24	
Rajshahye Divn.	11	Dinagepur „ 13, '88	Nil	Weather—hot, with bright sunshine. Prospects of standing crops fair, but rain urgently wanted.
	12	Rajshahye „ 13, '88	Nil	Weather—days hot and nights fairly cool. Prospects of standing crops good. Rain wanted. Transplantation of ganja seedlings over.
		Nattore ...	0·40	
		Nowgong ...	0·15	
	13	Rungpur „ 13, '88	0·04	Weather—clear, but cloudy and unsettled since 12th. Rain much wanted for *haimanti* rice. Cold weather crops are being sown. Tobacco is in the nursery.
		Kurigram ...	Nil	
		Nilphamari ...	Nil	
	14	Bogra „ 13, '88	0·27	Weather—cool mornings, with occasional slight fog. Clouds gathering latterly. Rain is much wanted for the transplanted *amun*. Jute steeping is over. Sugarcane coming out for local consumption.
		Sherpur ...	0·80	
		Nowkhilla ...	0·51	
	15	Pubna „ 13, '88	0·37	Weather—fair. Prospects of crops good. *Moog, mashkalai*, and *til* are being sown.
		Serajgunge ...	1·57	
	16	Darjeeling „ 13, '88	0·05	Weather—damp and misty in hills; very hot in plains. Hill crops doing well. Rain still wanted in plains for winter rice.
	17	Julpigoree „ 13, '88	Nil	Weather—seasonable. Owing to want of rain, prospects of *haimanti* paddy are not good. Lands are being prepared for tobacco. Common rice sells at 18 seers per rupee at the Sudder station.
		Eastern Districts.		
Dacca Divn.	18	Dacca Oct. 13, '88	1·18	Weather—hot and bright. *Asvini* paddy nearly reaped. Sowing of winter crops commenced. Prospects of *amun* good.
		Manickgunge ...	0·67	
		Munshigunge ...	0·50	
	19	Furreedpur „ 13, '88	0·11	Weather—seasonable. State and prospects of crops good, but rain somewhat wanted in some parts.
		Goalundo ...	Nil	
		Madaripur ...	0·78	
	20	Backergunge „ 13, '88	7·53	There was heavy rain on the 6th and 7th, accompanied with very high tides in the sub divisions of Bhola and Patuakhali. Prospects of *amun* good except at Bhola, where the recent inundation has damaged the *amun* plants.
	21	Mymensingh „ 12, '88	4·26	Heavy rain on the 6th. Weather hot and bright. Prospects of crops good.
		Jamalpur ...	1·73	
		Kishoregunge ...	3·19	
		Attia ...	3·7	
		Netrokona ...	2·54	

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Eastern Districts—concld.			
CHITTAGONG DIVN.	22	Chittagong	Oct. 16, '88	0·01	Weather—seasonable. Prospects of *amun* paddy good. Paddy seedlings destroyed by flood in some places. High tidal waves on 5th to 7th instant did some damage along the coast. Prices steady.
	23	Noakholly Feni	„ 12, '88	15·17 8·01	Weather—seasonable. Heavy rain on the 6th. *Aus* crop harvested. Prospects of *amun* generally good, but some damage reported in chur lands from the heavy rain of 6th.
	24	Tipperah Chandpur Brahmanbariah	„ 11, '88 .. 	5·98 3·78 3·19	Weather seasonable. Prospects of crops excellent. Harvesting of jute nearly completed.
	25	Chittagong Hill Tracts	„ 10, '88	5·02	Weather—very hot and close with heavy banks of clouds gathering from the south-south-west every evening for the first half of the week followed by stormy weather with strong gale from south-west on 5th, 6th, and 7th. *Jum* paddy a low average crop. Cotton crop very short. Plough-paddy and sugarcane doing fairly well.
		Hill Tipperah	„ 10, '88	Nil	Weather—days hot and nights cool. Prospects of *amun* paddy, *til* and cotton fair.
BEHAR.					
PATNA DIVN.	26	Patna	„ 13, '88	Nil	Weather—nights and mornings cool, days hot. Fields being prepared for *rubbi* sowings. Paddy saved from flood is failing for want of rain. Scarcity seems probable in the Behar sub-division, and elsewhere in a less degree.
	27	Gya	„ 13, '88	Nil	Weather—hot. Paddy suffering very seriously for want of rain; some already past recovery. Cultivation for *rubbi* also retarded. Rain imperatively necessary. Prices rising. Common rice selling at 13¾ seers per rupee.
	28	Shahabad	„ 13, '88	Nil	Weather—clear and bright, mornings somewhat cold. *Bhadoi* harvest almost over. Prospects of paddy most critical except on canal irrigated lands. Rain badly wanted both for *aghani* and *rubbi*. Prices falling except in Buxar.
	29	Durbhunga	„ 13, '88	Nil	Weather—bright and hot, but cool in the morning and night. The *bhadoi* crops for the whole district are about ⅝ths of an ordinary crop. The want of rain for the last four weeks has seriously affected the prospects of the rice crop, which cannot now be better than ⅝ths of an ordinary crop. The northern pergunnahs have suffered most. Rain is much wanted for the cultivation of the *rubbi* crops. Sugarcane crop is of excellent promise. Rice 13½ seers per rupee in Durbhunga.
	30	Mozufferpur	„ 13, '88	Nil	Weather—fair, but rather hot in daytime. *Bhadoi* harvest completed. The rice crops are suffering from want of rain, and unless rain falls there will be almost a total loss of the crop in the extreme north, and a poor outturn generally. Prices rising. Traders buying up rice for export.
	31	Sarun	„ 13, '88	Nil	Weather—days hot, nights cool. Rain much wanted for high land paddy. Fields are being prepared for *rubbi* sowings.
	32	Chumparun	„ 12, '88	Nil	Weather—days warm, but nights cool, specially at dead hours. Rain wanted. Prospects of *aghani* still fair.
BHAGULPORE DIVN.	33	Monghyr	„ 13, '88	Nil	Weather bright. Rain absolutely required for the *dhan* crops and *rubbi* sowings. Unless some rain falls soon there is danger of scarcity, much of the former crop (*bhadoi*) having been lost.
	34	Bhagulpur	„ 13, '88	Nil	Weather—days warm for the season, nights cool. Rain wanted everywhere for paddy, especially in the Supul sub-division, where the crop is said to be beginning to wither in high lands. *Kalai* and *kurthi* doing well, but will no doubt, like other *rubbi* crops, benefit by rain.
	35	Purneah Kishengunge	„ 13, '88 ...	Nil 0·18	Weather—bright and warm. Present prospect of *aghani* crop only 8 annas, and if drought continues will be 4 or 5 annas. *Aghani* rice selling at 13 seers and *bhadoi* at 16 seers per rupee.
	36	Maldah Chanchal Shibgunge Gajol	„ 13, '88	1·80 1·18 0·56 0·21	Weather—fair. *Bhadoi* and *haimanti* paddy doing well. Rain much needed in some parts of the district for the winter crops. Common rice 20 seers per rupee.
	37	Sonthal Pergunnahs Pakour	„ 13, '88	Nil 0·78	Weather—turning moister with east winds and clouds. *Rubbi* sowings begun. Paddy doing well so far, but rain anxiously looked for.
ORISSA					
ORISSA DIVN.	38	Cuttack	„ 12, '88	0·06	Weather—fair and seasonable. *Beali* rice being gathered. *Sarad* growing well. Common rice sells at 17 seers per rupee in town.
	39	Pooree	„ 11, '88	1·29	Weather—hot. Weeding of winter rice (*sarad*) still going on. Rain wanted. Common rice 19 seers 11 chittacks per rupee in the Sudder sub-division, and 16 seers 9 chittacks in the Khoordah sub-division.
	40	Balasore	„ 12, '88	1·13	Weather—seasonable. Prospects of *sarad* crop very fair except in flooded tracts. More rain wanted.
CHOTA NAGPORE.					
		South-West Frontier Agency.			
CHOTA NAGPORE DIVN.	41	Hazaribagh	Oct. 12, '88	Nil	Weather—bright and clear. *Bhadoi* still being harvested; outturn fair in some places and below the average in others. Sugar-cane doing well. Condition of winter rice so far good, but some heavy rain wanted urgently for the high lands. Lands being prepared and *rubbi* crops being sown.
	42	Lohardugga	„ 13, '88	Nil	Weather—days hot, mornings and evenings cool. Reaping of early paddy and *goondli* about to be completed. Prospect of winter paddy very unfavourable for want of rain. Prices steady.
	43	Singhbhoom	„ 12, '88	0·05	Weather—cold and bright. Rain is wanted in Dhalbhoom, and will be wanted all over the district shortly. Up to the present the crops are in excellent condition.
	44	Manbhoom	..	...	Report not received.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 16th October 1888.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of

STATION OBSERVATIONS.

Meteorological Division	District	Representative stations	Air Pressure: Highest at 10 A.M. of month	Air Pressure: Lowest 10 A.M. of month	Air Pressure: Mean, 10 A.M., of month	Air Pressure: Mean reduced to sea-level	Air Pressure: Variation from normal	Temperature: Highest of month	Temperature: Lowest of month	Temperature: Mean daily maximum temperature	Temperature: Mean daily minimum temperature	Temperature: Mean daily temperature	Temperature: Variation from normal mean	Humidity: Mean 10 A.M. humidity	Humidity: Variation from normal mean	Cloud: Mean cloud amount, 10 A.M.	Cloud: Variation from normal mean, 10 A.M.	Rainfall
Orissa	Pooree	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	94 0	[illegible]	84 1		[illegible]	—	8[illegible]	—	6 0	—0 1	5 31
		Gopalpore	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76 8	8[illegible]	80 3	84 9	+1 4	73		2 7		3 23
		False Point*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74 1	[illegible]	[illegible]	83 2	+0 2	[illegible]	—8	6 8	+0 1	9 02
	Cuttack	Cuttack	[illegible]	29 418	[illegible]	[illegible]	[illegible]	[illegible]	74 8	[illegible]	78 4	84 5	+0 7	70	—12	6 5	+0 1	9 80
	Balasore	Balasore*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77 4	[illegible]	+1	[illegible]		5 6		18 43
South-West Bengal	South-West Midnapore and South 24-Pergunnahs	Saugor Island	[illegible]	[illegible]	29 701	[illegible]	[illegible]	91	70	[illegible]	79 9	84 2	+0 7	83	[illegible]	6 6	0	6 14
	Midnapore	Midnapore	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77	[illegible]	+0 7	7[illegible]		3 0		7 37
	24-Pergunnahs, Howrah and Hooghly	Calcutta	[illegible]	29 6[illegible]	[illegible]	29 817	+ 060	91 [illegible]	75	8[illegible] 7	77 8	[illegible]	+0 1	[illegible]	—9	6 5	—0 7	10 85
	Burdwan	Burdwan	[illegible]	[illegible]	[illegible]	[illegible]	+ 042	92 6	74 4	[illegible]	78 [illegible]	[illegible]	+0 [illegible]	78	[illegible]	6 7	—0 6	9 39
	Bankoora	Bankoora	[illegible]	[illegible]	[illegible]	—	—	[illegible] 1	71	[illegible]	77 2	[illegible]	—	7[illegible]		5 2		4 1
	West Burdwan and Beerbhoom	Raneegunj	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96 [illegible]	[illegible]	[illegible]	77 3	[illegible]	+[illegible]	78		5 4		5 19
	Moorshedabad	Berhampore	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 7	7[illegible]	[illegible]	[illegible]	[illegible]	—1 1	74	—1[illegible]	7 [illegible]	—0 7	3 85
	Nuddea	Krishnagur	[illegible]	[illegible] 47	[illegible]	[illegible]	[illegible] 7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7[illegible]		6 6		6 67
	Jessore and Khoolna	Jessore	[illegible]	[illegible] 7	[illegible]	[illegible] 1	[illegible]	[illegible]	[illegible]	[illegible]	78 [illegible]	84 [illegible]	[illegible]	81	[illegible]	7 7	+0 1	7 76
East Bengal	Chittagong	Chittagong	[illegible]	[illegible]	[illegible]	[illegible]	+0 [illegible]	[illegible] 7	[illegible]	87 1	[illegible]	81 [illegible]	[illegible]	[illegible]	—1	6 45	—0 1	15 16
	Chittagong Hill Tracts	Rangamatti																
	Backergunj	Burrisal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75 [illegible]	88 3	78 [illegible]	[illegible]	+1 8	82		6 3		6 92
	Noakholly	Noakholly*	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	7	[illegible]	77 [illegible]	[illegible]		[illegible]		7 2		8 98
	Furreedpore	Furreedpore	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74 4	87 [illegible]	78	[illegible]	+1 8	83		4 8	—	8 54
	Dacca	Dacca*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 1	[illegible]	78	[illegible]	+0 4	81	[illegible]	[illegible]	—0 1	6 45
	Commillah	Comillah	[illegible]	[illegible]	[illegible]	[illegible]	+ 05	[illegible]	[illegible]	89 0	[illegible] 3	[illegible]	+1 0	81		1 1		10 30
	Mymensingh	Mymensingh*	[illegible]	[illegible]	[illegible] 78	[illegible]	+0 1	[illegible]	7 1	[illegible]	77 [illegible]	8[illegible]	+0 7	[illegible]		6 8		11 80
North Bengal	Bogra	Bogra	[illegible]	[illegible]	[illegible]	[illegible] 810	—	[illegible]	[illegible]	[illegible]	77	[illegible]	—	80		5 6		5 01
	Pubna	Serajgunj	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 0	[illegible] 1	[illegible]	[illegible]	77 [illegible]	[illegible]	+1 [illegible]	81		5 8		3 32
	Rajshahye	Rampore Bauleah	[illegible]	29 [illegible] 41	[illegible]	[illegible]	073	[illegible]	[illegible]	[illegible]	[illegible] 1	[illegible]	+1 [illegible]	7[illegible]		4 1		8 16
	Maldah	Maldah	[illegible]	[illegible]	[illegible]	—	—	[illegible] 7	71 1	[illegible]	[illegible]	8[illegible]		81		[illegible] 6		6 95
	Dinagepore	Dinagepore	[illegible]	[illegible]	[illegible]	[illegible]	+ 001	[illegible] 1	[illegible]	[illegible]	[illegible] 1	83 6	+0 [illegible]	7[illegible]		6 2		4 09
	Rungpore	Rungpore	[illegible]	[illegible]	[illegible] 07	[illegible]	+ 0[illegible]	[illegible] 8	[illegible] 7	[illegible]	7 4	8 6	+[illegible]	[illegible]		4 0		7 78
	Julpigoree and Cooch Behar	Julpigoree	[illegible]	[illegible]	[illegible] 11	[illegible]	+ [illegible]	[illegible] 0	7[illegible]	87 4	[illegible]	81 7	+0 6	81		2 3		12 53
	Darjeeling Hill Tracts	Darjeeling	[illegible]	[illegible]	[illegible]	—	— 001	[illegible]	[illegible]	[illegible] 7	[illegible]	63 0	—0 1	[illegible]	—4	8 6	+0 5	12 10
North Behar	Purneah and North Bhagulpore	Purneah	[illegible]	29 [illegible]	[illegible]	[illegible]	+ 05[illegible]	[illegible] 7	7[illegible]	[illegible]	7[illegible]	8[illegible]	—1 6	81	—3	4 4	—1 8	5 32
	Mozufferpore	Mozufferpore	29 788	[illegible]	29 619	29 817	+ 072	91 9	77 3	85 [illegible]	7[illegible]	8[illegible]	+0 1	7[illegible]	—4	4 7	—1 0	4 38
	Durbhunga	Durbhunga	29 658	29 4 1	[illegible] 570	[illegible]	+ 067	95 [illegible]	73 [illegible]	[illegible]	76 0	83 3	+0 5	73		7 2		7 92
	Chumparun	Motihari	[illegible]	29 [illegible] 10	[illegible]	[illegible]	+ 0[illegible]	90 5	[illegible] 1	[illegible]	78 0	8[illegible] 2	—1 4	79	—	4 2		6 33
	Sarun	Chupra	29 [illegible]	[illegible]	[illegible]	[illegible] 791	+ 047	93 [illegible]	7[illegible] 0	[illegible]	78 2	84 1	+1 7	74		3 2		8 06
South Behar	Shahabad	Dehree*	[illegible]	[illegible]	[illegible]	29 801	+ 064	91 [illegible]	74 8	89 9	77 [illegible]	83 0	0	78		5 7		11 00
		Buxar	[illegible]	[illegible] 07	[illegible]	[illegible]	+ 07[illegible]	93 4	7[illegible]	[illegible] 0	[illegible] 4	83 7	—0 7	7[illegible]		5 [illegible]		3 95
		Arrah	29 [illegible]	[illegible]	29 41[illegible]	29 78[illegible]	+ 0 [illegible]	93 4	7[illegible] 8	[illegible]	[illegible] 7	83 6	—0 [illegible]	72	—[illegible]	4 4	—2 6	7 01 & dec
	Gya	Gya	[illegible]	[illegible]	[illegible]	[illegible]	+ 0[illegible]0	[illegible]	76 2	[illegible] 0	78 8	8[illegible]	—0 4	77	—3	6 7	—0 3	3 17
	Patna	Bankipore	[illegible] 747	29 5[illegible]	[illegible]	9 8	+ 07[illegible]	9[illegible] 2	[illegible] 0	[illegible]	77 4	[illegible] 0	0 1	[illegible]		2 [illegible]		7 18
	South Bhagulpore and Monghyr	Bhagulpore	[illegible] 430	[illegible] 198	29 311	—		[illegible] 1	74 8	88 [illegible]	76 5	82 5		77		3 0		4 05
	Sonthal Pergunnahs	Nya Doomka	27 [illegible] 2	27 711	27 810	[illegible] 814	+ 0[illegible]	[illegible]	67 7	83 6	71 6	77 6	—0 9	77	—5	7 9	+0 1	5 91
Chota Nagpore	Hazaribagh	Hazaribagh	27 801	27 510	27 688	[illegible] 900	+ 000	86 0	68 4	83 6	[illegible] 7	77 2	+0 1	77		7 7		6 31
	Lohardugga, Manbhoom	Ranchee																
	Singhbhoom	Chyebassa	29 162	[illegible]	29 0[illegible]	—		91 4	70 7	88 8	75 [illegible]	82 2		72		1 9		5 59
Assam	Assam	Sibsagar	29 631	[illegible]	[illegible] 10	29 [illegible]	+ 047	96 1	73 0	8[illegible]	[illegible] 4	8[illegible]	+0 4	8[illegible]	+2	9 3	+0 1	10 34
		Dhubri	[illegible] 824	29 [illegible]	[illegible]	29 815	+ 018	[illegible]	75 8	87 4	77 [illegible]	82 3	+1 0	[illegible]	—2	6 5	—0 2	10 99
		Silchar	29 854	29 [illegible]	[illegible] 748	29 65[illegible]	+ 017	98 6	74 3	90 1	76 [illegible]	83 2	+0[illegible]	80	—11	8 2	+1 2	12 16

* Mean of 23 days. * Mean of 24 days. * Mean of 27 days.

Bengal for the month of September 1888.

DISTRICT OBSERVATIONS. RAINFALL. Of month: Mean of district.	Of month: Normal mean.	Of month: Variation from mean.	Of month: Number of rainy days.	Of month: Normal mean number of rainy days.	Since 15th May: Mean of district	Since 15th May: Normal mean.	Since 15th May: Variation	Since 15th May: Mean number of rainy days.	Since 15th May: Normal mean number of rainy days.	Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
8·28	10·24	−1·96	10·0	13·4	36·95	44·32	−7·37	59·3	68·1	Pooree, Gopalpore, False Point	Pooree	ORISSA.
—	—	—	—	—	—	—	—	—	—			
—	—	—	—	—	—	—	—	—	—			
8·15	9·59	−1·44	11·2	15·1	46·98	44·16	+2·52	60·9	67·3	Cuttack .	Cuttack	
10·49	11·23	−0·74	13·8	14·7	49·90	46·45	+3·45	61·0	67·0	Balasore .	Balasore	
8·22	11·44	−5·22	12·7	15·9	51·16	53·27	2·11	62·6	74·3	Saugor Island .	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
10·48	8·09	+2·39	11·7	13·0	59·84	46·27	+13·57	67·0	64·3	Midnapore ...	Midnapore	
7·66	8·52	−0·86	12·5	16·0	58·32	46·38	+11·94	72·0	79·7	Calcutta	24-Pergunnahs, Howrah, and Hooghly.	
6·58	7·67	−1·09	10·3	13·5	52·45	41·85	+10·60	68·9	67·6	Burdwan	Burdwan	
5·79	8·24	−2·45	11·3	14·6	50·33	47·51	+3·82	69·1	73·1	Bankoora .	Bankoora	
7·50	9·88	−2·38	14·5	15·5	54·56	47·42	+7·14	77·2	75·3	Raneegunj .	West Burdwan and Beerbhoom.	
7·17	10·40	−3·23	15·7	14·7	43·61	45·47	−1·86	73·4	70·6	Berhampore	Moorshedabad	
6·23	8·59	−2·36	11·2	13·5	49·98	44·08	+5·90	72·0	69·6	Krishnagore .	Nuddea	
5·21	8·94	−3·73	11·4	14·1	41·21	47·67	−6·46	68·0	75·2	Jessore ..	Jessore and Khoolna ..	
11·11	14·32	−3·21	17·0	17·8	118·64	103·73	+14·91	90·0	94·3	Chittagong ..	Chittagong	EAST BENGAL.
8·77	13·75	−4·98	15·5	20·4	65·98	70·87	−4·89	84·0	98·2	Demagiri	Chittagong Hill Tracts	
6·68	12·12	−5·44	11·8	17·9	63·51	68·99	−5·48	77·2	93·4	Barrisal	Backergunj	
12·34	16·76	−4·42	16·5	18·7	93·12	96·77	−3·65	93·0	94·4	Noakholly .	Noakholly	
6·15	9·25	−3·10	15·0	13·8	45·15	40·30	4·85	65·7	70·8	Furreedpore	Furreedpore	
7·09	10·40	−3·31	14·0	14·7	55·15	53·96	−0·78	77·6	81·4	Dacca	Dacca	
8·56	11·15	−2·59	14·0	16·3	57·89	62·37	−4·48	73·3	85·5	Commillah .	Commillah	
9·77	13·15	−3·38	14·6	15·7	62·63	61·15	+1·48	85·8	79·7	Mymensingh	Mymensingh	
6·10	10·36	−4·26	13·3	13·2	42·28	51·94	−9·66	71·9	69·7	Bogra	Bogra	NORTH BENGAL.
3·56	10·42	−6·86	14·0	11·2	59·55	47·95	8·00	84·5	71·9	Serajgunj	Pubna	
12·03	11·46	+0·57	13·0	14·0	43·53	48·62	−5·09	74·5	68·8	Rampore Beauleah	Rajshahye	
6·17	11·05	−4·88	11·5	14·8	35·16	40·75	11·59	68·5	75·4	Maldah	Maldah .. .	
6·15	11·27	−5·12	12·2	13·5	44·48	53·02	−8·74	61·0	71·1	Dinagepore ..	Dinagepore	
8·47	13·44	−4·97	11·5	13·7	54·73	68·20	−13·47	71·9	69·5	Rungpore	Rungpore	
8·91	21·77	−12·86	15·2	10·6	84·65	104·73	20·08	80·6	88·4	Julpigoree ..	Julpigoree and Cooch Behar.	
14·29	18·60	−4·31	19·5	19·3	95·53	113·60	18·07	105·8	101·2	Darjeeling	Darjeeling Hill Tracts .	
6·97	12·39	−5·42	12·4	12·9	47·44	54·39	−6·95	66·6	64·0	Purneah	Purneah and North Bhagulpore.	NORTH BEHAR.
3·73	9·00	−5·27	11·7	10·6	39·17	39·28	−0·11	56·7	51·6	Mozufferpore	Mozufferpore	
5·36	9·25	−3·89	11·3	10·7	38·57	40·99	−2·42	50·7	52·[illegible]	Durbhunga	Durbhunga	
7·63	9·30	−1·67	12·0	9·5	40·77	42·35	−1·58	50·0	45·0	Motihari	Chumparun ...	
8·25	7·4	+0·82	14·3	10·3	37·19	37·58	−0·39	56·9	51·4	Chupra	Sarun	
7·82	7·08	+0·74	12·2	11·9	40·99	35·39	+5·60	56·4	51·2	Dehree, Buxar, Arrah	Shahabad	SOUTH BEHAR.
6·22	6·79	−0·57	12·0	10·1	48·50	37·6	+10·86	58·8	50·9	Gya	Gya	
5·18	7·04	−1·86	11·8	12·5	46·03	37·14	+8·89	60·6	55·5	Bankipore	Patna ..	
6·55	7·91	−1·36	12·6	12·0	47·15	39·13	+8·02	68·0	55·5	Bhagulpore	South Bhagulpore and Monghyr.	
6·35	10·21	−3·86	12·3	13·9	50·66	46·37	+4·29	75·4	68·4	Naya Doomka	Sonthal Pergunnahs	
6·91	9·29	−2·38	15·3	15·3	53·69	46·11	+7·58	77·0	72·5	Hazaribagh	Hazaribagh .	CHOTA NAGPORE.
7·99	9·01	−1·02	14·3	16·0	49·72	44·53	+5·19	75·5	75·8	Ranchee	Lohardugga .	
7·28	7·69	−0·41	16·5	14·8	45·12	42·70	+2·42	85·0	74·8		Manbhoom .	
5·32	8·32	−3·00	10·0	16·6	39·74	47·29	−7·55	65·0	81·1	Chyebassa ..	Singhbhoom	
...	...	...	...		...	...	...	...	...	Sibsagar	Assam	ASSAM.
...	...	...	...	...	...	...	...	...	...	Dhubri .		
...	...		...	...	...	...	...	...	...	Silchar . ..		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Pooree ...	..	...	0·28	...	...	..	1·17	...	...	...	...	...	0·39	...	.	2·62	0 13	0·63	...	...
		Khurdah ...	...	..	1·02	...	...	0·65	0·05	.	0·32	0·10	0 09	0 40	...	...	0·03	6·53	0·42	0·31	0 07	...
		Banpur ...		0·97	1·00	0 08	...	...	..	0·23	...	1 09	...	..	...	...	0·90	1 32	0 32	..	0·88	...
		False Point ...	...	.		...	...	0·95	0·61	...	...	...	...	..	...	...	1·16	4 46	1 36	0·25	0·11	..
		Gop ...	. .	0·88	0·16	..	0·20	1·00	0·05	...	...	...	...	...	...	...	5·40	1·20	0·17	0·10	...	...
		Pipli ...	...	. .	...	1·30	...	0·00	0 20	...	0·20	0·22	...	...	0·16	...	...	7·10	1·70	...	...	...
	Cuttack ...	Jagatsingpore	...	...	...	..	...	0·85	...	...	...	0·05	...	...	...	...						
		Banki ..	..	...	0·43	0·03	. .	1·34	...	...	0·14		..	1·05	0·09	...	0·07	3·32	0·73	0 21	0·09	...
		Cuttack ..	...	0·24	0·89	0 12	0·13	2·39	...	...	0·07	0·28	0·35	0 20	...	...	0·34	3·40	0 51	0·07	0·06	...
		Kendrapara ..	..	. .	0·02	.	...	1·26	. .	...	...	.	...	...	...	...	0·58	2·05	0·82	0·08	0·31	...
		Jajpore ...	..	.	0·24	.	...	1·75	...	...	...	2·40	1·72	...	..	...	0 85	2·29	1·20	0·16	0·15	...
		Dharmsalla ...	...	..	0 80	.	. .	1 00	...	...	.	..	1 15	...	...	...	2·10	1·15	0 60	0·30	...	1·60
		Salipore ...	..	0·24	0·98	...	...	1·44	...	...	0·80	0·87	0·30	...	..	...	0·46	3·40	1·17	0·10	...	...
	Balasore ...	Chandbali ..		0·05	...	..	0·75	..	0·20	0·10	...	1·20	0·05	..	...	...	2·00	2·20	0·60	0·65	0·25	...
		Bhuddruck ..	1·06	0 07	.	0·48	...	1 28	.	.	0·18	0·45	.	0·15	...	.	0·66	2·58	0·61	0 51	...	...
		Sorah ..		0 63	0·53		...	1·83	0·11	0·31		0 70	...	0 39	...	0·03	0·52	2·23	0·98	0·52	0·08	...
		Balasore ...	0·17			0·19	.	4·65	0·14	..	0·24	0·20	...	0·30	...	..	3·3[illegible]	1·27	1 00	0·80	...	...
		Jellasore ..	0·06	0 50	0·37	...	0·04	2·60	0·02	...	...	0·05	...	..	0·38	..	1·82	1·61	0·15	1 55	0·13	0·50
		Baripodah ...	0·25	...	...	...	0·58	0 95	0·15	...	...	0·94	...	...	...	0·08	1·06	2 08	0 56	0·97	0·10	...
SOUTH-WEST BENGAL.	Midnapore ..	Contai ..	. .	...	0·10	...	...	1·15	...	0·19	...	0·39	..	0·37	..	...	0 67	1·97	0·42	2·35	0·69	...
		Saugor Island	0·22	. .	...	..	...	1·75	.	.	0·39	...	0·02	...	0·07	...	0 74	0·99	0·69	1·05	0·07	0·15
		Tumlook ...	6·20	...	0·10	...	...	1 00	0 20	0·10	...	.	...	...	...	...	0·70	0 80	1·10	1·30	0·90	...
		Midnapore ...	0·55	. .	0·52	...	. .	0·64	0 03	..	...	1·34	...	..	..	...	0 97	0·64	0·30	1·66	...	...
		Ghatal ..	1 17	. .	0·10	...	. .	0·31	0·12	0 05	...	1·51	.	0·90	0·09	...	0·67	2·45	1·00	0 96	0·06	...
		Kukrahaty	1·38		...	.	. .	0 75	0 99	0·20	...	1·73	0·62	0·53	...	...	0·76	1·35	0·41	1 08	...	...
		Hersa	0 16	0 53		0.03	...	1·55	0 13	..	...	1·11	0·74	0·51	...	...	1·52	1·15	0·04	2·53	...	...
		Bhagwanpore	1·40	0·39	1·05	...	...	1·65	0 05	0·25	...	0·10	0 58	...	...	...	0·47	1 01	0 35	1·30	0·25	...
		Garbeta ...	2 22	..		.	...	0·48	0·52	0·07	...	..	0·62	...	...	...	0·64	0 82	0·10	0·40	0 15	...
	24-Pergunnahs	Diamond Harbour.	0 15	0·10	0 13	...	...	1·13	0·10	0·28	0·48	0·83	. .	...	...	..	0 06	2·04	0 30	1·90	...	...
		Canning Town	0·61	...	...	...	...	0·[illegible]5	0·27	...	0·11	1·74	0·88	...	0·02	...	0·32	0·25	0·35	1·20	2·76	0·27
		Alipore Jail .	2 52		...	...	...	1 12	0·08	0·08	.	0 15	..	0·33	1 75	..	0·44	0·57	0 26	0·97	0·04	0·02
		Barrackpore ..	0·97	. .		...	...	1·04	0 45	.	0·40	0·31	0·32	.	0·55	...	0·34	0·43	0·55	1·39	...	...
		Dum-Dum ..	1·08		.	...	...	1·17		0·04	...	1 10	...	0·89	0·06	...	0·14	1·00	1 10	0·63	...	...
		Baraset ...	1·[illegible]9		...	...	...	1 49	0·15	.	...	2·01	...	0·09	0·06	..	0·54	0·30	1·25	0·54	...	...
		Buseerhat .	0·58	0·61	...	...	...	0·58	0·69	0·72	...	...	...	...	...	...	..	0·43	...	2·80	0·08	0·06
	Howrah ..	Howrah ...	3·61	.	...	...	...	0·69	0 02	0·17	...	0·76	...	0·35	0·12	.	0·07	0·[illegible]0	0·31	0·98	0·01	...
		Mohesreka (*Oolooberiah*).	0 55	0·05	.	...	...	0·74	0·03	0·04	...	0·79	...	...	0·11		0 15	0 26	0·29	1·06	0 05	0·05
	Hooghly ...	Serampore ...	0 67	...	.	...	...	1·14	0·10	...	...	1·48	0·80	..	0·61	..	0·43	0 37	0·33	1·68	...	...
		Hooghly ..	0·31	...	. .	..	. .	0 47	0·92	..	.	1 51	0·20	...	1·07	...	0·43	0 27	0·02	0 94	...	...
		Jehanabad ...	1·58	..	...	...	...	1·00	0·03	0·73	...	0·95	.	1·64	0·02	...	0 47	0 40	0 45	1·02	...	...
	Burdwan ...	Culna .	0·55	...	...	...	...	0 14	0·07	...	...	2·70	.	..	...	...	...	0·22	...	0·80	...	...
		Burdwan ...	1 29	..	0·02	.	...	0 37	0·52	. .	...	0 63	..	2 20	1 30	. .	...	0·12	.	1·64	...	...
		Cutwa .	0 04	.	.		...	1·22	0·3[illegible]	0·25	...	2 40	.	0·29	0 15	...	.	0 10	0·06	0·40	...	...
		Raneegunge	0 98	0·15	.		..	1·57	0·04	0·03	0 23	0 03	0·17	0 05	0·05	...	. .	0·90	0·18	0·09	0·03	...
		Mankur ...	1 3[illegible]	..	...	. .	...	0·95	1·89	...	...	0·45	...	0·25	...	...	0·17	0·29	...	0·59	...	...
	Bankoora ...	Bankoora ...	0 80	0 04	...	...	...	0·40	0·60	...	...	..	0·[illegible]8	0·01	...	0·08	...	0·88	0·14	0·20	0·12	...
		Bishenpore ...	1·02	. .	.	...	.	0·16	0·44	0·35	...	0·17	0·08	0·15	0·05	...	...	1·28	0·05	0.54	0·05	...
		Maliara ...	0 88	..	..	..	..	0 93	0·37	0·41	...	...	..	. .	...	..	...	0 37	0·40	0·70	0·63	...
		Khatra ...	1·10	.	. .	..	. .	1·62	0·12	.	.	...	1·26	...	...	..	...	1·20	0·43	..	...	...
		Indas . .	1·45	0 03		..	...	0 21	0 03	0·15	..	0·44	0·01	1·15	...	...	.	0·51	..	0·72	...	...
		Kotaipore ...	1·13	...	.	..	...	0 14	..	...	...	0·40	...	0·65	..	. .	...	0·41	0·10	0·25	...	...
		Anda ..	0 10	..	...	.	...	0·10	1·60	0·50	...	...	0·90	0·[illegible]0	0·12	..	...	1·00	0·50	0·10	0·40	...
		Gangajalghati	1·13	...	...	0·71	...	2·12	0·22	...	..	...	0 24	..	...	.	...	0 72	0·08	...	...	...
		Raipore ...	0 65	..	...	...	...	0·45	0·25	...	. .	...	0·45	0·05	. .	0·46	0·45	0·71	0·58	0·15	0 40	...
		Sonamukhi ...	0·75	0 05	...	...	...	0·79	...	...	...	0·31	. .	0 19	0·04	...	0·37	0 19	0 93	0·05	0·06	...
	Beerbhoom ...	Bh. Soory ...	0·76	0·06	...	...	..	0·32	0·47	0·07	...	0 77	..	0·22	0·15	...	...	0·59	0·19	0·37	0·32	...
		Hetampore	0 89	0·21	...	...	0·40		0 12	0·11	0·21	..	0·15	..	...	...	..	..	0·44	0·06	...	...
		Rampore Haut	1 [illegible]0	0·09	. .	...	...	1·18	0·25	0·98	2·07	4·05	0·38	2·05	..	..	...	0·20	0 12	0·25	...	...
		Bolpur ...	1·05	.	...	...	...	0·85	0 64	...	...	1·20	...	0 72	...	..	...	0·10	...	0·56	...	...
		Murarai ...	1 02	0·18	...	...	...	1 10	0·16	0·90	..	2·00	0·06	0·74	.	.	...	...	...	...	...	...
	Nuddea ...	Ranaghat ..	0 71	...	...	...	...	0 40	0·49	0·48	0·05	2·10	..	...	...	...	.	0·30	0·10	1·30	0·01	...
		Kishnaghur ...	0 64	.	...	...	...	0·43	.	0·09	0 03	1·50	...	..	...	...	...	0 34	1·17	0 05	...	...
		Chooadanga ..	0·35	...	...	...	...	1 20	0 15	1·05	...	0·45	...	..	...	...	...	..	0·35	0·80	...	...
		Meherpore ...	0·41	..	...	...	...	0·20	0 22	0 28	...	1·24	...	0·90	0·25	..	...	0·06	0·06	0·53	...	...
		Kooshtea ..	0 13	0·05	...	...	...	1·00	0 44	0·10	0·03	0·12	...	0·23	...	...	...	0·05	...	0·92	0 03	...
	Khoolna ..	Satkhira ...	0·08	0·04	...	...	...	0·40	...	1·00	0·31	0·25	0·03	0·30	0·12	...	0·02	0 43	0·12	1·80	...	0·14
		Bagirhat ...	0·6[illegible]	..	...	...	...	1·30	...	..	...	...	.	...	..	...	..	0·10	0·74	1·06	...	...
		Khoolna ...	0·41	...	...	. .	0 48	0·20	0·50	0 05	0·12	...	0·08	...	0·29	...	...	...	1·49	0·61	...	...
	Jessore ..	Narail ...	0·47	0·0[illegible]	...	...	...	0·45	0·07	0·15	0·04	...	...	...	...	...	...	...	0·10	0·33	0·19	...
		Jessore ...	..	0 22	. .	...	.	0·90	...	0·08	..	...	...	...	...	...	...	0·28	0·42	2·12	...	...
		Jhenidah ...	0 97	...	..	...	...	1·10	0·60	...	...	0·15	...	.	...	...	...	..	..	1·08	0·03	...
		Magoorah	0 92	0 35	..	...	..	0·20	0·[illegible]2	0 45	...	1 91	0·04	0·06	...	...		0·22	0·28	0·16	...	...
		Bongong ...	0·05	0·27	...	...	...	1·05	0·03	0·45	0·25	0 24	0·10	...	...	...	0·25	0·15	0·45	1·05	...	...
	Moorshedabad	Kandi ...	0 15	...	...	. .	...	1·07	...	..	...	1 90	...	0 60	...	...	...	0·10	..	0 51	...	...
		Berhampore ..	0 08	0·30	..	...	. .	0·54	0·12	0 09	...	1 71	..	...	...	. .	...	0 40	0·62	0·54	...	...
		Lalbagh ..	0·[illegible]6	0 31	0·24	0·42	...	0 [illegible]1	0·13	0·33	...	1 40	...	...	.	...	...	..	0·21	0·38	...	...
		Azimgunge ...	0·15	0·18	0·05	...	...	0·9	..	0 65	..	1·83	...	0·04	0·24	..	...	0·20	0·41	0·30	...	...
		Jungipore ...	0 45	0·27	.	...	...	1 08	0·34	0·44	0·84	1 00	...	1 20	...	...	...	...	0·41	0·24	0·30	0·04
		Lalgola	0·50	0·[illegible]3	0·20	...	. .	2 80	0·05	0·85	0·20	0 65	. .	2·83	...	...	..	...	0·72	1·10	...	...
		Jaigunge ..	0 25	0·10	0·11	..	...	0·50	0·02	0 05	..	2·12	...	0·03	0·30	...	...	0·22	0·30	0·31	...	...
		Akhriganj ..	0 14	0·05	..	...	..	0 52	0·14	0·78	...	0·92	0·08	. .	...	...	...	...	0·09	0·31	...	...
		Petkahari ..	. .	..	0 25	...	0·10	0·10	...	...	1·40	.	...	0·10	...	...	0·10	...	0·00	0·10	...	...
EAST BENGAL.	Chittagong ...	Cox's Bazar ...	...	0 25	2·95	0·08	.	0·11	...	0·47	0·40	0·75	2 00	..	...	0·30	0·06	...	0·10	...	...	...
		Chittagong ..	...	...	4 39	...	0·40	0·47	0·23	0·14	..	0 75	0·11	1·15	...	0·45	0·14	0·08	1·07	0·22	...	0·51
		Kutubdia .	.	.	0·7[illegible]	0·03	0 02	0 0[illegible]	. .	0 0[illegible]	..	...	...	1·26	.	..	0 70	.	0·63	...	...	...
		Satkanya ...	0·12	0·09	0·50	...	0·01	0·30	0·[illegible]9	0 13	0·06	0·05	0·0[illegible]	0 80	...	1·04	...	0·70	0·08	...	...	0·21
	Chittagong Hill Tracts.	Rangamati ...	...	...	1·68	...	0·25	1·17	0·70	0·10	...	..	0 27	...	...	0·24	...	...	2 34	.	...	...
		Ruma ...	...	0·20	2·00	...	...	0·57	0·05	0·15	...	.	...	...	...	...	...	1·47	0·25	0·06	...	0·65
	Backergunge...	Patuakhally ...	.	...	0·97	...	1·67	0 52	..	0 42	..	0 06	...	...	...	..	..	...	0·83	0 26	...	...
		Ferozepore ...	2·11	...	.	...	1 55	0·11	0·13	..	...	...	...	..	1·23	...	. .	·33	0·80	0·30	0·22	...
		Burrisal ...	0·30	...	1·32	...	0 11	0·33	0·72	0·01	0·30		...	..	...	...	...	[illegible]	1·10	0·07	0·27	...
		Bhola ...	0·28	...	1 70	...	0·43	.	0·80	0·81	.	0·41	...	0·51	...	...	...	[illegible]	1 29	0·66	0·27	...
		Gournaddi ...	0·61	0·05	0·00	...	0·49	0·19	0·09	0·49	0·30	.	..	1 00	...	...	0·21	...	0·65	0·35	...	...
		Bauphal ...	...	...	3·10	...	1 09	0·72	0·62	0·03	...	0·06	...	0·07	...	...	...	...	1 22	0·19	...	...
	Noakholly ...	Noakholly ...	0·45	...	1·90	...	0·07	0·08	0·63	0·43	...	0 09	0·03	0 07	...	...	0·02	...	0·34	2·28	0·33	...
		Fenny ...	...	...	0·88	...	0·03	0 33	0·10	4·15	0·36	1·05	0·65	1·25	...	0·20		...	2·05	...	2·21	...

n Bengal in September 1888.

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 30th September 1888.	Average rainfall from 1st January up to 30th September 1888.	Station.	District.	Meteorological division.
...	...	...	...	...	...	0·87	0·68	...	..	8	17·5	6·77	9·05	2·62	34·08	43·79	Pooree ...	Pooree ...	ORISSA.
...	...	0·25	..	...	0·04	..	...	...	..	14	18·4	10·27	10·36	6·04	38·08	50·40	Khurdah.		
0·38	...	...	...	...	..	...	..	...	...	10	14·1	7·17	9·84	1·32	32·90	43·69	Banpur.		
...	...	...	...	...	...	...	0·03	...	...	8	15·6	8·03	11·14	4·46	53·28	50·25	False Point.		
0·07	...	...	..	...	...	...	...	...	.	10	?	9·23	?	5·40		?	*Gop.*		
...	...	...	..	...	...	...	...	...	...	8	?	12·48	?	7·10		?	*Pipli.*		
											11·9						Jagatsingpore.	Cuttack.	
...	...	...	...	...	...	...	...	...	.	11	19·0	7·50	9·75	3·32	42·51	46·11	Banki.		
...	0·80	...	...	...	...	.	0·18	..	...	16	18·6	10·03	9·70	3·40	51·04	51·09	Cuttack.		
...	...	...	.	...	...	0·08	0·02	...		9	13·4	5·22	9·14	2·05	47·17	49·73	Kendrapara.		
...	0·26	...	.	...	...	...	...	...	...	10	12·8	11·02	9·94	2·40	59·82	53·42	Jajpore.		
0·30	..	..	...	...	...	0·45	...	...	...	10	?	9·65	?	2·30	55·81	?	*Dharmsala.*		
...	0·10	...	...	...	...	...	...	...	...	11	?	9·88	?	3·40		?	*Salipore.*		
0·20	0·15	...	...	0·20	..	...	0·20	...	...	15	14·1	8·90	11·04	2·00	51·97	50·60	Chandbali ...	Balasore.	
...	...	...	...	...	...	.	...	...	...	11	14·2	7·81	10·50	2·58	51·91	52·74	Bhuddruck.		
0·20	...	...	...	0·11	.	0·48	.	...	...	16	13·6	9·51	11·18	2·23	52·67	50·66	Sorah.		
0·50	1·68	...	0·19	...	...	2·14	...	...	..	15	16·1	16·82	12·63	4·65	63·43	58·84	Balasore.		
...	...	...	...	...	...	...	...	...	...	14	13·0	10·36	10·48	2·6	60·56	62·42	Jellasore.		
...	...	...	..	...	...	1·30	...	...	...	12	17·1	9·62	11·08	2·68	58·48	55·48	Baripodah.		
...	...	...	...	...	...	0·05	1·28	...	..	12	14·3	9·63	11·74	2·35	57·07	59·48	Contai ..	Midnapore.	
0·09	...	...	...	...	...	...	...	...	..	12	16·8	6·23	12·56	1·75	54·19	64·65	Saugor Island.		
...	...	...	..	...	...	..	...	...		10	9·2	12·41	8·33	6·20	69·23	53·81	Tumlook.		
...	...	...	..	...	...	0·01	...	.	...	10	15·0	7·56	8·19	1·66	68·07	54·06	Midnapore.		
...	...	..	...	...	...	1·83	0·25	...	..	15	14·7	11·47	8·98	2·45	61·64	58·41	Ghatal.		
...	...	...	...	...	.	...	0·38	..	.	12	?	9·88	?	1·73	71·35	?	Kukrahaty.		
...	...	...	...	...	...	..	...	0·15		13	?	10·15	?	2·53	57·02	?	*Herta.*		
0·10	...	...	...	...	...	..	...	0·20	...	15	?	9·15	?	1·65	52·18	?	*Bhagwanpore.*		
...	...	...	...	...	...	0·74	...	...	..	11	?	6·76	9·32	2·22	70·61	54·21	*Garbeta.*		
...	...	...	...	..	...	...	0·24	0·75	...	14	16·7	8·79	11·01	2·04	61·91	60·90	Diamond Harbour.	24-Pergunnahs.	SOUTH-WEST BENGAL.
...	..	..	...	...	0·06	...	..	..	...	14	?	9·00	?	2·76	64·58	?	*Canning Town*		
...	...	...	...	...	1·78	..	1·24	...	.	15	18·5	10·74	9·90	2·52	67·09	58·25	Alipore Jail.		
...	...	...	...	...	.	.	...	0·20		12	13·5	6·95	7·44	1·39	84·16	51·81	Barrackpore.		
..	...	...	...		...	0·21	...	...	...	11	16·4	7·42	8·79	1·17	68·47	55·12	Dum-Dum.		
0·04	...	...	...	...	0·21	0·49	...	...	..	13	15·7	8·76	9·02	2·01	73·61	53·79	Barasat.		
...	...	...	...	0·38	..	...	...	...	..	10	14·5	6·34	8·70	2·30	57·87	57·62	Busserhat.		
...	0·16	...	...	...	...	1·16	...	..	...	14	18·7	9·00	9·10	3·61	67·58	56·55	Howrah ..	Howrah.	
...	...	...	...	...	...	...	0·64	...	...	14	15·1	4·81	8·33	1·06	63·55	55·98	Mohesroka (*Oolooberiah*).		
..	0·04	...	.	...	...	.	0·17	...	...	12	17·3	7·82	7·90	1·68	66·80	58·52	Serampore ...	Hooghly.	
0·01	...	..	...	...	...	0·05	...	...	...	12	16·3	6·19	7·63	1·51	60·88	55·19	Hooghly.		
0·28	...	...	...	...	..	..	...	...	...	12	14·6	8·57	9·02	1·64	66·54	57·93	Johanabad.		
...	...	..	...	...	...	...	0·16	...	..	7	10·6	4·64	6·54	2·70	63·61	48·32	Culna ...	Burdwan.	
0·35	0·17	...	0·03	...	...	...	.	...	...	12	16·4	8·64	8·26	2·20	47·24	52·05	Burdwan.		
0·15	...	..	...	...	.	...	1·04	...	...	12	13·4	6·45	8·20	2·40	66·97	51·04	Cutwa.		
...	...	0·11	.	...	.	0·14	...	...	.	16	14·9	5·25	7·14	1·57	60·35	50·09	Raneegunge.		
...	...	...	..	...	..	...	...	...	..	8	?	5·91	?	1·59	48·47	?	*Mankur.*		
0·18	...	...	...	...	.	0·12	0·52	...	...	14	15·9	4·47	8·56	0·88	49·75	51·27	Bankoora ...	Bankoora.	
1·37	...	...	...	...	..	0·05	.	...	...	14	14·3	6·65	9·05	1·37	60·73	55·52	Bishenpore.		
0·29	...	...	...	...	...	...	0·73	..	...	10	12·3	5·71	6·19	0·93	51·95	49·50	Mularra.		
...	...	...	...	...	0·60	...	...	..	...	7	15·3	6·32	9·69	1·02	57·08	56·25	Khatra.		
...	...	...	...	...		...	..	...	...	10	?	4·70	?	1·45	45·85	?	Indas.		
...	...	...	..	..	..	0·30	...	...	...	8	?	3·48	?	1·13	51·29	?	Kotalpore.		
...	...	...	...	..	...	1·00	...	..	...	12	?	6·22	?	1·60	40·18	?	Anda.		
...	...	...	...	...	..	...	0·36	...	.	8	?	5·78	?	2·12	57·34	?	Gangajalghati.		
...	...	...	...	...	...	...	..	..	...	11	?	4·60	9·32	0.71	58·06	53·60	*Raipore.*		
...	...	...	...	...	...	0·48	...	...	...	12	?	4·19	?	0.93	51·61	?	*Sonamukhi.*		
0·46	...	...	...	...	0·03	1·72	...	...	...	15	17·4	6·50	9·77	1·72	56·21	51·97	Bh. Soory ...	Beerbhoom.	
0·54	...	...	.	.	..	0·18	...	..	...	11	14·5	3·61	10·32	0·89	48·62	55·05	Hetampore.		
0·03	...	...	0·64		0·18	0·67	...	...	...	16	15·2	14·62	11·22	4·05	68·78	52·34	Rampore Haut		
...	...	..	...	0·20	0·27	...	...	..	...	9	?	5·74	?	1·20	62·33	?	*Bolpur.*		
...	...	...	...	..	...	0·40	..	..	...	9	?	6·56	?	2·00		?	Murarai.		
...	...	...	...	...	...	0·80	0·10	..	...	12	12·1	6·84	6·05	2·10	63·60	51·01	Ranaghat ...	Nuddea.	
...	1·19	..	.	...	..	0·34	.	0·03	...	11	14·1	5·87	7·84	1·56	67·22	50·57	Kishnaghur.		
...	...	0·50	0·20	0·05	0·20	0·15	0·15	...	...	13	13·7	5·60	9·84	1·20	58·81	55·37	Choadanga.		
...	...	0·19		...	0·88	0·17	...	...	...	13	13·2	5·39	7·94	1·24	58·67	52·39	Meherpore.		
...	...	0·37	0·28	0·75	1·90	.	0·29	0·18	..	17	14·6	7·47	9·96	1·90	49·78	56·93	Kooshtea.		
...	0·38	...	...	...	0·06	...	...	...	...	16	16·4	5·48	8·71	1·60	41·44	59·30	Satkhira ..	Khoolna.	
...	...	...	...	...		...	...	0·55	..	6	13·4	4·40	9·70	1·30	59·00	63·93	Basirhat.		
0·59	0·07	...	...	...	0·05	...	...	...	...	13	15·4	4·94	9·55	1·49	55·00	59·98	Khoolna.		
...	0·40	...	...	...	0·14	...	...	0·55	...	12	13·4	3·07	7·03	0·55	35·50	51·08	Narail ...	Jessore.	
0·08	...	...	..	...	2·65	...	...	...	...	8	16·1	7·35	9·26	2·65	64·13	61·19	Jessore.		
...	...	...	...	1·03	0·25	...	...	0·17	...	9	13·2	5·86	8·71	1·19	47·49	56·94	Jhenidah.		
0·13	...	0·13	...	...	...	...	..	...	0·05	14	14·0	5·32	7·99	1·91	49·34	55·62	Magoorah.		
0·05	...	...	...	...	...	...	...	...	..	13	10·8	5·0	8·34	1·05	51·45	54·19	Bongong.		
...	...	...	...	...	..	...	...	...	...	6	14·6	4·33	8·87	1·90	54·21	50·90	Kandi ...	Moorshedabad.	
0·11	0·03	...	...	...	..	.	...	0·55	...	12	15·1	5·25	9·63	1·71	44·81	49·77	Berhampore.		
0·02	0·51	...	0·21	0·16	...	...	0·04	0·77	...	16	14·1	5·86	10·12	1·46	48·07	50·47	Lalbagh.		
0·65	0·12	...	0·45	0·30	..	0·02	0·12	0·02	...	18	15·3	6·72	9·53	1·88	.	50·05	Azimgunge.		
0·02	0·10	...	...	0·03	0·04	1·60	...	...	...	17	14·5	8·46	10·64	1·60	44·22	49·75	Jungipore.		
0·15	...	...	...	...	...	2·20	..	...	...	13	14·5	12·38	9·71	2·83	54·09	50·35	Lalgola.		
0·66	0·08	...	0·40	0·30	.	...	0·30	...	...	17	?	7·13	?	2·12	49·44	?	Jaigunge.		
...	0·09	...	...	0·05	0·29	...	...	..	...	12	?	10·92	?	6·52	53·89	?	*Akhriganj.*		
0·25	0·30	...	...	...	...	...	...	...	...	10	?	8·30	?	1·40	48·40	?	Patkabari.		
...	0·45	...	...	...		...	...	..	0·15	13	17·2	7·68	14·71	2·05	149·31	133·16	Cox's Bazar .	Chittagong ..	EAST BENGAL.
1·32	1·25	1·03	...	0·07	0·01	0·03	0·10	...	...	21	18·4	14·34	13·75	4·39	106·01	97·45	Chittagong		
0·26											?		?			?	*Kutubdia.*		
0·52	0·48	0·02	...	...	...	1·05	0·65	...	...	20	?	7·72	?	1·05	103·17	?	*Satkanya.*		
0·25	0·45	...	...	1·47	...	...	0·21	...	...	12	19·9	9·13	12·56	2·34	83·74	88·84	Rangamati ...	Chittagong Hill Tracts.	
0·28	0·35	...	1·70	0·25	...	0·10	0·53	...	.	15	20·8	8·41	12·38	2·00	75·65	79·90	Ruma.		
...	...	...	...	...	.	...	...	..	...	7	16·9	4·78	12·85	1·67	92·39	89·09	Patuakhally .	Backergunge.	
0·08	...	0·82	...	...	0·10	...	...	...	...	12	16·2	7·87	11·15	2·11	70·97	71·75	Perozepore.		
...	0·51	0·02	...	...	0·09	...	0·35	0·09	...	16	20·2	5·82	11·44	1·32	66·82	73·16	Burrisal.		
...	...	0·42	...	...	...	...	..	0·90	...	12	19·4	8·46	11·91	1·70	73·40	83·87	Bhola.		
0·21	..	...	...	...	..	...	...	0·08	...	14	?	5·34	?	1·90	60·13	?	*Gournaddi.*		
...	0·07	1·25	...	...	...	0·03	...	0·02	..	13	?	9·10	?	3·10	95·98	?	*Bauphal.*		
...	...	0·70	...	...	0·32	...	0·06	0·34	..	17	19·9	8·68	16·32	2·82	105·03	102·59	Noakholly ...	Noakholly.	
0·45	0·82	0·59	...	...	...	...	0·85	...	...	16	17·4	16·00	16·01	4·15	114·27	111·71	Fenny.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL —concld.	Noakholly—concld.	*Harishpore*	.	...	1·98	...	0·50	...	.	1·22	...	0·50	0·40	0·28	...	...	0·72	...	0·85	...	3·92	0·50
		Ramganj ...	0·19	...	0·59	...	1·03	...	2·28	0·46	..	1·72	0·04	0·55	0·29	...	0·23	...	0·96	0·30	0·35	...
	Furreedpore...	Madaripore ..	0·15	..	0·45	...	.	0·30	.		..	0·82	0·70	4·06	...	.	..	...	0·67	0·30	0·75	...
		Furreedpore .		1·18	.	...	0·73	0·40	0·83		..	...	...	0·06	...	...	...	...	0·32	0·85	...	...
		Goalundo ..	0·09	0·07	...	...	...	1·11	0·88	0·70	.	...	...		...	...	...	...	..	1·63	...	...
	Dacca ..	Munshigunge	0·60	0·04	0·15	...	...	2·70	1·31	1·82	0·20	0·90	0·05	0·02	.	...	.	...	0·20	0·10	1·40	...
		Dacca .	0·18	0·07		..	..	0·36	1·54	1·36	0·10	1·64	.	.	.	...	...	0·09	0·21	.	0·07	...
		Naraingunge	0·23	0·13	0·11	...		1·43	0·79	1·61	...	0·26	0·00	0·05	...	.		0·07	0·23	0·21	1·05	...
		Manickgunge	0·07	...	.	..	0·01	0·74	0·36	0·04		0·11	...	0·27	...	.	0·14	...	0·27	0·09	0·05	...
		Joydebpore ..	0·20	0·04	0·01	...	...	0·29	0·80	0·07	0·40	0·78	...		...	...	...	...	...	0·28	0·25	...
	Hill Tipperah	Agartola ...	.	..		...	0·55	0·47	0·15	0·95	0·60	0·45	.	0·40	..	...	...	...	0·88	0·93	0·50	...
	Tipperah ...	Comilla ...	.	..	1·33	...	...	0·80	0·27	1·32	0·12	0·08	0·03	0·83	...	...	0·56	.	1·03	0·33	1·02	...
		Chandpore ..	1·10		0·55	...	0·12	0·14	1·80	0·22	.	0·20	..	..	..	..	.	...	0·66	0·45	0·24	...
		Brahmanberia		0·15	0·07			0·27	0·28	0·95	1·38	1·72			0·10	.	.	...	3·75	0·06	0·60	...
		Ramchandrapore.	0·40	0·38	0·02	0·08	0·45	0·78	1·70	0·82	0·28	0·21	0·31		...	.	0·71	...	0·95	0·11	1·08	...
		Nasirnagar .		...	0·50	...	.	1·12	0·80	1·20	0·50	1·11		...	...	...	0·50	1·00	1·08	1·30	0·70	...
		Daudkandi ...	0·14	0·06		...	.	4·30	0·47	1·17	1·30	1·17	1·27	...	...	...	.	...	1·25	0·66	0·30	...
		Kasba ..		..	1·00	..	...	2·05	0·14	1·06	0·86	.	0·51	2·39	...	.	0·47	...	0·38	1·02	0·26	...
		Laksham ..	..	...	0·80	...	...	0·41	...	0·15	...	..		...	...	...	1·03	0·04	0·54	2·13	0·26	0·24
	Mymensingh	Kishoregunge	0·71	2·72	...	...	.	0·42	2·02	0·16	2·24	0·13	...	...	...	...	...	.	..	1·21	...	0·74
		Atia (*Tangail*)	0·18			...	...	0·69	.	...	0·19	...	...	1·23	...	...	..		1·84	0·55	0·04	...
		Mymensingh	0·36	0·35	0·04		..	0·18	0·47	0·09	4·34	0·40	...	0·84	..	...	...	0·27	0·20	0·80	0·16	...
		Jamalpore	0·54	.		0·35	..	0·01	0·02	0·40	1·00	1·20	...	0·51	..	...			1·03	1·57	0·09	...
		Netrokona .	0·36	0·12	2·40	0·61	...	0·27	0·70	0·13	0·74	0·14	...	.	...	...	0·66	0·20	0·05	0·20	0·23	0·32
		Subornakhally	0·15	0·13		.		0·55	...	0·45	2·15	0·01	...	..	...	..	...	.	2·70	1·40	0·50	...
		Durgapore	0·40	.	0·59	.			.	1·81	0·90	.	...	0·63	..	...	...	...	...	0·50	0·07	...
		Dewangunj ..	...			.	...	...	0·41	0·82	0·59	0·95	...	0·31	...	...	...	...	0·15	0·58	.	
NORTH BENGAL.	Pubna ..	Pubna .	0·22	0·55	.	..	...	0·56	0·33	0·61	0·13	0·12	...	.	...	...	0·04	...	0·04	0·24	0·66	0·07
		Serajgunge .	0·12	0·06	..	.	.	0·25	0·02	0·30					...	...		0·35	0·17	0·13	0·65	...
	Bogra ...	Sherpore ..	0·47	.	1·35	.	...	0·32	..	0·56	1·36	0·57	...	0·07	.	..	...	...	0·35	0·37	0·20	...
		Nowkhilla ...	0·13			0·16	..	0·07	..	1·72	0·85	0·56	...	0·07		...	0·65	..	0·58	0·57	0·57	...
		Bogra ..	0·21	0·20	0·16	...	-	0·25	.	1·87	0·41	0·59	.	0·20	..	.	0·27	.	0·10	0·42	0·88	...
		Panchbibi ..	0·48	0·95	0·02	...	...	0·55	.	..	0·06		.	2·12	...	.	..	...		1·15	0·02	0·09
	Rajshahye ...	Beauleah ..	0·32	0·77		...	.	3·05	0·18	0·14		1·27	0·28	0·14	0·02	...	...	...	0·35	2·06	...	...
		Nattore ...		1·10	...	...		0·45	0·35	2·35	1·97	3·95		0·85	.	.	...	0·41		1·43	...	...
		Naogaon ..	0·07	0·33	...			1·53		0·30		0·16	...	...	.	.	..	...	2·46	0·50	...	...
		Lalpore ...	0·34		...	0·06	..	0·06	1·73		0·78	1·51	..	...	..	...	...	...	...	0·70	...	...
		Manda ...	0·11	.	...	...	.	0·68	0·06	0·65		0·50	...	...	...	...	...	..	0·06	0·88	0·71	...
	Maldah ...	Maldah ...	0·02	0·90	0·38	..	...	0·90	0·07	0·03	2·63	0·02	.	...	...	.	...	..	..	0·50	0·10	...
		Chanchal ..	0·60	0·24	.	...	...	1·17	0·25	0·07	1·88		.	..	...	...	...		0·62	0·80	1·14	...
		Gajol ...	0·20	0·20		..	...	0·80	0·40	1·50	1·10	0·21	.	.	...	...	...	..		0·72	0·04	...
		Sibganj ...	0·25	0·56	...	.	...	0·32	0·70	0·10	0·05	2·23	0·06	0·31	..	.	...	...	1·50	0·19	0·37	...
	Dinagepore ...	Mohadebpore	0·60	...	0·37	...	0·13	0·62	0·45	0·25	1·37	.	..	...	...	..	...	0·10	...	0·47	0·12	0·14
		Churamon ...	1·87	0·78	...	0·31	...		0·40	0·24	0·27	...	.		...	...	...	0·22	..	0·68	1·18	...
		Raigunge ...	1·70	..	...	1·67	...	0·15	0·11	0·23	1·50		0·10	0·06	...	...	..	.	...	0·35	0·54	...
		Dinagepore ..	0·48	0·06			...	0·05	...	0·19		0·72	0·03	0·27	...	...	...	...	0·16	0·99	0·17	...
		Balooghat	0·22	...	0·07	0·24	...	0·40	...	...	2·16	0·61		...	.	...	...	0·68	...	0·48	1·54	...
		Thakurgaon...	...	...		2·09	...	...	0·88	0·96	0·05	...	..	...	...	...	...	...	...	1·05	...	...
	Rungpore ...	Bhawanigunge (*Gyabanda*).	..	..	...	...	...	0·33	0·73	1·55	0·81	0·23	0·05	1·00	..	...	...	...	0·10	1·13	0·73	...
		Rungpore ...	...	...	..	0·02	..	0·73	0·69	1·21	3·11	1·55	..		..	.		...	...	1·25	..	...
		Kurigram ...	...	...		0·05	..	0·17	0·80	0·56	0·27	0·20	..	1·03	...	..	0·51	..	0·10	1·15	0·40	...
		Bagdogra (*Nilphamari*).	...	...	...	...	...	...	...	0·30	2·85	0·17	...	..	.	..	...	...	...	0·62	1·20	...
		Ulipore ...	...	...	...		...					..	...	3·04	...	...	...	...	1·27	0·86	1·57	...
	Julpigoree ...	Julpigoree	1·48	0·21	.	0·14	..	0·24	1·46	..	0·28	0·54	...	0·06	0·07	.	..	...	0·95	0·55	0·81	0·35
		Alipore Doar	0·28	0·18			..	...	1·33	...	...	...	...	1·19	..	.	...	..	0·75	0·61	0·60	1·54
		Falacotta ..	0·12	...	.	0·09	.	0·05	1·45	0·34	0·37	0·15	..	0·55	0·04	...	...	0·03	0·02	1·27	0·42	...
		Debiganj ..	.	..	..	0·00	...	0·23	0·63	0·86	2·05	0·69	.	1·29	...	...	..	...	0·65	0·98	0·24	...
	Cooch Behar...	Dinhatta ..	...	..	..	.	...	1·76	0·15	.	0·47	0·10	0·13		.	...	...	...	0·54	1·00	0·66	0·34
		Cooch Behar..	...	...	.		...	..	0·45	...	0·45	...	0·72	0·22	0·15	...	...	...	1·56	0·70	1·18	...
		Mekligunge	0·57	..		1·08	...	0·03	1·16	..	0·15	0·09	...	0·14	0·03	...	...	..	1·47	0·72	1·05	0·71
		Matabhanga...	0·05	0·02	0·07	.	..		0·10		0·24	0·18	0·48	1·87	..	...	.	...	0·14	2·40	0·25	0·42
	Darjeeling Hill	Buxa ...	1·60	0·38	0·30	2·33	...	0·25	0·11	2·88	0·28	0·43	..	0·44	..		..	0·40	1·04	2·00	0·78	...
		Siliguri ..	0·10						0·43	0·88	0·57	0·93	0·05	1·75	0·77	0·01	..	..	0·90	2·21	0·25	0·17
		Darjeeling ...	0·78	0·14	0·25	0·83	0·10	0·04	0·00	0·21	...	0·31	...	1·14	0·07	0·04	...	0·08	1·73	1·75	0·16	...
		Kalimpong ..	1·30	0·03	0·10	0·73	...	0·28	0·07	0·14	0·50	0·18	...	0·62	0·33	...	...	...	0·51	1·05	0·75	...
NORTH BEHAR	Purneah ..	Kissengunge	0·72	...	0·17	0·30	..	0·19	0·09	1·90	0·26	0·19	...	.	0·30	...	...	...	0·60	0·24	0·29	...
		Arrariah ..	0·65	.	..		.	0·75	0·07	0·22	0·04	0·17	...	0·03		...	...	...	0·31	0·52	0·66	...
		Purneah ...	0·61	0·25	...	.	..	1·50	0·40	0·15	0·75	0·20	...	...	0·10	...	.	...	0·30	1·05	0·25	...
		Gondwara	..	...	...	1·60	...	1·14	0·80	0·67	...	0·45	..	.	0·20	...	..	..	...	1·95	0·25	...
		Bularampore	..	..	...	0·05	.		0·57	...	..	.	...	...		..	...	..		1·22	0·05	...
		Matiari ..	0·91	1·36			...	0·13	0·53	0·20	..	...	0·62	1·34	...	...	...	0·52	0·34	0·48	0·28	...
		Kaliaganj ..	0·67	1·01	0·02	...	...							0·08	...	...	...	...	1·22	0·85	0·40	...
	North Bhagulpore.	Maddapore ...	0·62	1·80	1·04	1·10	...	0·25	0·45	0·66	0·34	0·76	...		0·15	...	...	...	0·56	1·92	...	...
		Soopool .	2·51	0·31		0·10	...	0·50	0·12	0·10	...	0·59	..	0·15	...	...	...	...		...	0·12	...
		Protabganj ...	1·50	1·45	0·40	...	..	..	0·25	0·14	...	..	.		0·20	...	...	..	0·06	1·19	...	...
	Durbhunga ...	Tajpore ...	0·09	1·10	0·88	0·03	...	0·35	0·02	0·75	...	1·09	0·18	...	0·05	..	...	...	0·16	0·56	...	...
		Durbhunga ...	1·74	0·08	0·61	.	..	0·20	0·43	0·09	0·24	0·54	0·23	...		...	..	...	...	1·40	...	...
		Madhubani .	1·18	0·41	0·38	..	..	1·00	...	0·34	0·20	0·19	0·05	.	0·40	...	...	...	0·60	0·70	...	...
		Bahera ...	2·80	0·10	0·15	..	...	0·51	..	.	...	1·00	1·50	..	0·10	...	...	...	0·80	0·85	...	...
		Roshera ...	1·74	0·90	0·26	.	...	0·47		0·10		0·30			0·03	...	...	...	0·05	0·65	...	...
	Mozufferpore	Sitamarhi ..	0·31	0·15		..	...	0·50	0·20	...	0·15	0·95	0·15	..	..	...	...	0·10	0·15	0·50	...	0·65
		Mozufferpore	0·22	0·32	0·27	..	...	0·15	0·45	...	1·23	0·18	...	..	0·14	0·10	0·16	0·05	0·40	0·29	...	...
		Hajipore ...	0·95	0·50	0·08		..		0·20	..	0·50	0·50	...	...	..	...	...	...	0·17	0·30	...	...
		Paru ...	[illegible]	0·10	0·25	0·10	...	0·07	0·20	..	0·45	0·12	1·25	...	0·04	...	...	...	...	0·16	...	...
		Mahua ..	0·33	0·25	0·18	...	...	0·55	0·94	0·36	3·30	.	...	...	...	...	...	...	...	0·60	...	...
		Sirhar ...	0·15	0·55	0·60		...	0·90	0·20	...	0·20	1·00	...	...	...	...	...	..		0·85	...	...
		Pupri ...	0·40	...	..	..	..													0·29	...	...
	Chumparun ...	Motihari ...	0·67	0·05	0·09	0·12	...	0·20	0·43	0·10	0·20	8·80	...	...	...	...	...	...	0·13	0·14	..	0·10
		Bettiah ...	0·54	.	0·20	1·41	0·06	..		0·32	1·30	3·83	...	...	...	..	...	...	0·40	0·84	0·20	0·11
		Bagaha ...	0·07	0·09	0·45	1·25		0·10	0·19	...	1·14	2·73	..	...	...	...	...	...	0·06	0·12	...	...
		Burhwara ...	0·33	0·40	0·48	0·13		0·35	0·02		0·16	0·75	0·34	...	...	...	...	...	0·57	...	...	...
	Sarun ...	Gopalgunge ..	0·37	0·45	0·19	.	...	..	...	0·49	3·24	1·30	0·00	.	..	...	...	...				
		Sewan ...	0·25	0·40		..			0·31	0·39	1·95	2·06	5·08	0·14	0·24	...	...	0·09	0·62	0·42	0·07	0·09
		Chupra ...	0·72	0·49	0·38	0·03	0·53	0·03	0·18	0·29	0·41	0·13	0·23	0·01	0·53		...	0·71	0·06	0·13	...	—

in Bengal in September 1888—*continued.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 30th September 1888.	Average rainfall from 1st January up to 31st September 1888.	Station.	District.	Meteorological division.
0·01	0·50	0·03	...	...	1·98	0·93	..	1·88	...	15	?	18·97	?	4·98	131·59	?	*Harishpore* ...	Noakholly—*concld.*	EAST BENGAL—concld.
...	..	2·58	..	.	...	..	0·05	0·75	...	15	?	11·61	?	2·38	90 87	?	*Ramganj.*		
...	...	...	..	.	...	...	...	...	...	10	13·7	4·58	8·30	0·93	53·44	63·03	Madaripore ..	Furreedpore.	
0·12	.	..	0·25	..	...	.	..		..	9	14·6	8·74	9 39	4·06	67·21	64·03	Furreedpore.		
0·08	0·09	0·17	...	..	..	...	...	0 07	..	11	13 1	4·93	8·11	1·60	59 27	57·92	Goalundo.		
..	...	0·61	...	...	...	...	...	0·34	..	15	14·7	10·55	12 20	2·70	78·08	79·04	Munshigunge.	Dacca.	
0·12	...	0·43	..	.	.	..	...	0 03	...	12	14·7	6 91	9·95	1·64	68·75	67·00	Dacca.		
...	...	0·76	..	...		..		...	...	13	15 6	6 96	10·55	1·61	80·94	64·66	Narainganj.		
0·13	0·02	0·58	0·69	...	.	..	0 66	.	.	10	13 8	3·94	7·48	0·74	56 59	57·33	Manickgunge.		
...	0·05	0·35	...	...	...	..	...	0 05	0·05	16	?	4·03	?	0·80	70·23	?	*Joydebpore.*		
...	...	.	0·85	...	...	...	0·15	...	...	11	15·8	6·88	10·15	0 95	81·63	72·85	Agartola ...	Hill Tipperah.	
	0·39	1·16	..		...	...	...	0·17	..	14	17·8	8·55	11·43	1·33	81·59	85·00	Comilla ...	Tipperah.	
0·28	0·20	0·97		0·10	.	...	.		...	15	16·5	7·84	11·82	1·80	69·88	83 31	Chandpore.		
...	0·86	0·06	0·31	...	..	.	0 11	1·15	...	16	15 0	12·18	11·61	3·73	91·26	74 10	Brahmanberia.		
...	...	1 17	...	.	...	.	..	0 91	...	17	?	10·45	?	1·79	73·90	?	*Ramchandrapore.*		
...	..	...	...	...	...	...	1·30	1·80	..	12	?	11·83	?	1·80	70·50	?	*Nasirnagar.*		
0·26	..		...	...	...	..	.	..	..	10	?	11·22	?	4·30	74 13	?	*Daudkandi.*		
...	...	0·45	...	..	.	...	...	0·50		10	?	8 87	?	2·05	81·02	?	*Kasba.*		
...	1·45	1·05	...	..	...	...	..	..	.	11	?	9·31	?	2 30	86 21	?	*Laksham.*		
										17									
..	1·25	.	...	0·81	.	.	1·11	0 83	...		16·4	16·64	12·24	2·72	95·39	77·44	Kishoregunge.	Mymensingh.	
.	..	...		...	0·19	..	..	.	...	5	11·3	2 46	0·47	1·21	41 55	58·79	Atia (*Tangail*)		
0·02	0·23	...	0·05	...	0 72	...	0·20	0·43	.	19	18·7	12·24	14·03	4·34	77·41	86 46	Mymensingh.		
0·15	..	0·15	...	...	...	...	0 69	.	...	15	15·0	6 92	13·70	1·20	68·48	70·46	Jamalpore.		
.	0·11	0·02	0·12	...	.	..	1 60	..		17	16·6	10·58	13·76	2·40	88 43	80 41	Netrokona.		
0·60	...	..	..	..	0·84	...	2·98	...	..	15	?	9 52	?	2·98	65 98	?	*Subornakhally*		
0·10	.	1·60	...	...	0 50	...	2·10			11	?	12 50	?	2·70	119·57	?	*Durgapore.*		
...	0·06	..	.	...		...	0 57	0 20	...	10	?	4·00	?	0 95	59·59	?	*Dewanganj.*		
0·10	...	0·91	0·26	.	...	.	0 07		...	12	15·5	4·65	11·06	0 91	50 54	59·19	Pubna ...	Pubna.	NORTH BENGAL.
0·10	.	0·02	..	0 13	...	0·1	.	.		16	12·9	2·46	9 48	0·66	50·34	56·15	Serajgunge.		
0·16	.	..	0·16	.	...		..	...		13	12 2	6·32	9·04	1·36	45·28	59·39	Sherpore ...	Bogra.	
0·24	0·05	...	0 24	...	...		0·05		..	14	14 7	5 15	9 42	1 72	53 55	58 53	Nowkhilla.		
0 16	.	..	0 16	...	...	0·04	...	.	..	15	14·6	5 66	11·76	1 37	45·19	63 25	Bogra.		
...	...	...	0·78	...	.	.	..	.	..	11	11·3	7·25	10·41	2·42	40 53	56 26	Panchbibi.		
0·07	0·02	.		0 05		0 88	.	...	...	16	15·7	7·75	10·85	3·05	34·39	53·42	Beauleah ...	Rajshahye.	
			1·05		3·30	...	1 40		.	10	12·3	16·30	11·73	3·05	61·73	57 61	Nattore.		
..	0·84		1 19	..	..	.	.	0 19	.	12	?	9·13	?	1·97	38 96	?	*Naogaon.*		
	0 48	0·93	0 15	..	...		.	...		10	?	8 81	?	2·46	40·04	?	*Lalpore.*		
0·23	...	..		..		0 13	.			9	?	4·44	?	0·75	31 35	?	*Manda.*		
...	...	.	0·15	...		0 20		.	...	13	14·6	6·95	10·78	2 63	47 23	49·06	Maldah ...	Malda	
...	...	...	0 24	...		0·16			...	10	15 0	5·98	10·25	1 89	38·20	55·38	Chanchal.		
...	..	.	...		0 20	0 25	...		..	11	?	6 80	?	1·50	38·23	?	*Gajol.*		
...	0·06	.		1·40	.	.	.	...	...	13	?	7·64	?	2·23	46·29	?	*Sibganj.*		
...	...	0·30	..	...	.		...		..	11	12·7	4·12	11·34	1·30	40 05	57·18	Mohadebpore	Dinagepore	
.	..	...	0 59		...	1 47			...	11	13 7	10·99	12·00	4·37	47 40	53 70	Churamon.		
0·07	.	...	0·29		..	0 35	0 29		.	12	13 0	7·26	10 35	1 70	52 20	53 53	Raigunge.		
0·08	..	.	0·56		.	0·35	0 03	.	..	14	15·8	4·90	14·02	1 57	64 39	63 50	Dinagepore.		
.		.	0·30	0·07	...			...		13	12 4	3·48	9·54	0 59	43·05	43 64	Baloorghat		
0·21	0·10	...	...		.	...	.			9	?	5 36	?	2·16	?	?	Thakurgaon.		
0·18	0·98	...	2·15	...	.	...	..	0·35	...	8	11·3	6·30	11 67	2·15	56·45	63·71	Bhawanigunge (*Gyabanda*).	Rungpore.	
0·18	0·20	0 03	0·35	0·01	0·06	..	..	..	...	17	16·2	7·51	13·06	1·55	60·47	78 58	Rungpore.		
..	0 03	.	4 32	...	..			.	..	8	13·5	13·29	12 71	4·32	81·90	82 07	Kurigram.		
0 35	0·03	...		.	...	0·85	.	.	.	14	14·6	6 17	14 83	1 15	63 75	86·41	Bagdogra. (*Nilphamari*)		
..	...	...	3·10		...	..	...	...	...	6	?	8·44	?	3 10	63·70	?	*Ulipore.*		
0 58	0·22	0·94	...	...	.		0 72	..	...	14	17 2	13·61	23·59	3·64	117·51	122·85	Julpigoree ..	Julpigoree.	
1·25	0 22	0·90		..	..	0·32	3·27	...	..	15	?	11·02	?	3·27	94·14	?	*Alipore Doar.*		
0·74	0 13	0 85		..	...	0 34	2·65	...	..	13	?	11·27	?	2·65	104 00	?	*Falacotta.*		
0·15	0·16	..	0·06	..	..	..		...		15	?	4 84	?	1·27	70 97	?	*Debiganj.*		
0·33	0·08	..	0·61	...	....	0 19	...	.	..	13	16·5	8 33	21 20	2·05	99·03	105·86	Dinhatta	Cooch Behar.	
0·16	0·32	0·24	0 47	...	1·43	0 05	..		..	15	16 8	8 14	21 45	1·76	101 63	124 14	Cooch Behar.		
0·33	0·11	0·22		..		0·22	...	0 51	..	15	15 4	9 21	22 80	1 53	81·34	113·40	Mickligunge.		
0·10	0·03	0·18	0·02	...	0·10	...	...	0·22	...	19	10·9	5·23	22 74	1·47	83 32	118 92	Mataonanga.		
4·65	0·90	..	1·11	0·64	0·07	1·89	1·03	0 14	...	21	21·0	23·00	31 85	4·65	169 26	162 24	Buxa ..	Darjeeling.	
0 55	...	1·40	0 81	.	...	...	1·00		...	14	16 2	10·49	14·07	2·00	92 88	101·87	Siliguri.		
...	0·08	0·89	0·39	0 01	..	0·03	0·16	0·01	...	24	22·1	12 00	17·42	4·24	94 42	114 08	Darjeeling.		
...	0·33	0·04	...	...	.	0·34	1 06	..	...	19	15·0	10·78	10·60	1·75	74 40	84 11	Kalimpong.		
...	...	0·10		...	...	0·64	...	...	...	14	1·41	6·36	13·79	1 05	58 59	71·39	Kissengunge ..	Purneah.	NORTH BEHAR.
...	..	..	0 22	...	...	3·00	...	...	...	13	1·23	8 23	13 28	3 00	53 61	64·88	Arrareah.		
...	0 09	...	...	...	..	...	..	..	..	12	14 5	4 32	13 47	0 75	49 55	60 17	Purneah.		
...	0·25	...	...	.	.	...	.	...	.	9	?	4 65	?	1·50		?	*Gondwara.*		
...	0·35	...	...		0·60	...		...	...	10	?	8·41	?	1 95		?	*Bular ampore*		
.	...	.	..	...	.	1·26	.		.	8	?	5·42	?	1·36	48·04	?	*Matiara*		
0·29	...	0 19	...	...	0 30	...	...	..	.	15	?	6 29	?	1·32	62·22	?	*Kaliaganj.*		
...	...	...	0·22	...	...	...	...	...	...	14	11 2	0·83	10 29	1·40	61·25	49·25	Maddapora	North Bhagulpore.	
...	...	...	...	..	...	.	..	...	.	9	12·4	6·10	9·40	2·51	45·46	47·71	Supaul.		
...	..	...	..	...	...	..	...	...	...	8	?	4 57	?	1 50	59 81	?	*Pratabganj.*		
...	.	...	...	...	0·12	.	...	...	.	13	10·4	6 06	8·00	1·19	43 63	42·10	Tajpore .	Durbhunga.	
...	0·10	...	...	...	..	...		..	...	11	11·1	4 38	9·33	1·74	39·22	44 58	Durbhunga.		
..	..	...	..	...	...	..		...	.	10	10·5	5 63	9·90	1·40	43·71	43 27	Madhubani.		
...	...	...	0·20	...	..	.	..	...	...	10	?	0·65	?	2·80	54 66	?	*Bahera.*		
...	...	...	1·15	.	...	0·40	...	...	...	11	?	8·27	?	1 74	43·83	?	*Roshera.*		
...	..	...	...	0·25	...	...	...	.	...	10	9 5	2·39	9·25	0·65	30·01	42·78	Sitamarhi .	Mozufferpore.	
...	...	0·47		...	.	.	...	...	...	10	11 0	3 78	8·24	0·95	43 33	40·96	Mozufferpore		
...	...	0·09	0·35	..	0·10	...	...	...	...	15	11·4	4 82	7·10	1 23	46·02	40 20	Hajipore		
0·80	...	...	0·40	.	0·15		...	...	...	12	?	4 29	?	0·80	34·12	?	*Paru.*		
...	...	0·19	...	0·05	0·10	0·90	.	...	...	15	?	4 56	?	1·25	36·91	?	*Mahua.*		
...	...	...	...	...	...		..	.	...	8	?	7 33	?	3·30	30 57	?	*Sinhar.*		
...	...	...	1·02	...	...	...	...	.	...	7	?	4·57	?	1·02	35·60	?	*Pupri.*		
...	...	0·36	0·40			..	..	...	...	12	9·3	6·71	8·69	3·80	38·40	44·47	Motihari	Champaran.	
...	...	0·55	..	.	0·05	...	...	...	...	12	9·7	8 54	9 34	5·85	47·88	47·65	Bettiah.		
...	...	...	3·72	0·62	0·05	...	...	.	...	15	?	11·90	?	3·72	53 22	?	*Bagaha*		
...	...	0·26	...	0 26	0 40	.	...	...	...	14	?	4 07	?	0·75	40 76	?	*Burauria.*		
..	...	..	...		...	...	..	.	..	8	10·0	7·18	6 93	3 23	37 87	40 97	Gopalgunge.	Saran.	
..	...	...	0·05	0·09	...	...	...	...	.	16	11·8	12·34	8 83	5·08	41·38	41·59	Sewan		
..	...	0·13	0·31	0·04	...	...	...	...	..	19	9·1	5 34	7 21	0 72	38 83	36·42	Chuprah.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH BEHAR	Shahabad ...	Buxar ...	0·14	1·89	0·34	2·16	0·07	0·70	0·62	1·89	1·87	0·07	...	...	0·33	0·01	...	0·29	0·31	0·11	0·87	0·05
		Dehree ...	..	3·21	0·11	0·40	0·11	0·67	1·68	0·54	0·57	...	.	...	0·52	...	...	0·07	...	0·25	0·80	...
		Bhuboah ...	...	1·20	..	0·40	0·10	0·60	1·00	2·80	0·50	...	...	...	...	..	...	0·84	0·30	0·18	...	0·20
		Sasseram ...		1·31	0·13	0·66	...	...	1·80	1·00	0·13	0·38	0·30	...		.	...	...	...	...	...	0·40
		Arrah ..	0·35	0·75	1·00	0·13	...	...	0·50	.	.	0·20	0·85	...		0·05	...	...	0·10	1·50	...	...
		Mohaniah ..	...	1·10	0·50	.	...	...	0·90	2·20	1·50	0·60	. .	...	...	.	...	...	..	...	...	...
	Gya ...	Aurungabad...		2·32	0·58	0·67	1·40	0·15	0·61	0·26	...	0·38	...	...	0·12	..	...	0·16	0·35	0·08	...	...
		Gya ...	1·60	0·04	1·32	0·18	1·82	0·30	0·80	0·53	0·74	0·01	.	...	..	...	0·70	0·42	...	...	...	0·29
		Nowadah ...	0·09	.	.	...	...	0·06	0·50	0·06	1·24	0·28	...	. .	0·17	...	.	0·01	0·02	0·12	...	0·06
		Jehanabad ..	0·15	0·05	1·72	0·85	0·55	...	0·15	...	0·99	0·25	1·18	...	0·76	. .	.	0·14	...	...	...	...
		Arwal ...	2·16	0·80	0·19	0·45	0·71	0·24	.	0·31	...	0·40	...	...	0·31	...	.	...	0·71	...	...	...
		Daudnagar ..		1·50	0·09	0·95	0·94	0·94	0·70	0·45	...	...	...	...	...	..		...	...	...	...	0·50
		Sheerghati ..	1·00	..	...	...	0·30	...	...	1·00	...	...	...	...	...	...	1·00	...	...	...	...	...
		Rajauli																				
		Pakri Barawan.	1·42	...	...	...	...	0·85	0·50	...	0·15	...	0·75	0·10	...	...	0·10	...	...	0·42	...	...
	Patna ...	Patna ..		0·23	0·14	...	...	1·28	0·15	...	0·12	0·12	...	...	...	...	0·21	0·20	...	0·17	...	...
		Dinapore ...	0·35	0·22	..	...	...	0·75	0·21	0·06	0·25	0·10	..	...	...	...	0·04	0·16	...	0·30	...	...
		Behar ...	0·08	0·10	0·29	.	0·75	...	0·31		0·45	0·07	0·07	. .	...	..	0·40	0·16	1·15	0·20	...	...
		Barrh . .	0·20	4·40	1·60	...	..	...	1·00	0·05	0·60	0·85	0·65	...	...	...	0·20	0·05	0·60	. .	0·10	...
		Bickram ...	0·60	2·10	0·20	0·40	. .	...	1·70	.	1·00	..	...	...	...	..	...	.	0·15	...	...	...
		Hilsa ..		0·32	0·09	. .	0·26	...	1·62	0·08	1·25	0·60	...	...	.	.	...	...	0·52	0·26	...	...
	Monghyr ...	Begooserai ...	0·09	0·50	0·20	..	...	0·15	2·50	0·28	0·90	0·97	0·13	..	.	...	...	0·77	0·33	0·09	...	...
		Monghyr ...	1·90	1·36	0·30	...	...	0·13	2·04	.	2·12	1·45	0·10	...	0·17	...	. .	0·14	.	0·29	0·06	...
		Jamui ..	0·34	0·09	1·80	...	0·41	0·12	0·36	0·11	0·14	0·23	0·15	...	...	..	...	0·09	0·34	0·39	0·17	...
		Gogri ...	0·23	1·03	...	..	...	0·31	1·14	1·18	2·42	3·48	0·64	...	...	..	...	...	0·27	...	...	...
		Sheikpura ...	0·41	0·39	...	...	0·14	...	...	0·30	...	...	1·60	...	...	...	...	...	.	...	...	...
	South Bhagulpore.	Bhagulpore ...	0·17	..	...	...	...	0·28	0·19	0·28	2·20	0·97	...	...	...	...	..	0·43	0·12	1·50	...	...
		Banka ...	0·03	0·30	...	...	...	0·50	0·01	0·06	0·10	1·50	0·71	0·16	...	...		...	0·10	0·40	0·09	...
		Kolgong ...	0·34	...	0·15	...	...	0·18	0·44	...	...	3·83	..	...	...	...	. .	...	...	...	1·02	...
	Sonthal Pergunnahs.	Rajmehal ...	0·05	0·08	..	...	...	0·43	0·06	0·03	0·90	...	...	...	..	...	...	0·05	0·09	1·50	0·44	0·17
		Godah ...	0·03	0·80	0·12	. .	...	0·60	0·08	..	0·45	0·15	2·20	0·03	0·25	...		0·34	0·16	0·70	..	...
		Pakour ..	1·96		...	...	...	1·59	1·21	0·90	1·25	0·51	..	...		...	. .	...	0·97	2·19	0·35	0·05
		Nya Doomka	0·57	0·01	..	...	...	0·45	0·34	0·05	..	0·35	...	0·80	0·04	...	..	0·84	0·10	0·21	0·13	...
		Deoghur ..	0·25	0·28	0·49	...	...	0·37	0·28	...	..	0·59	0·34	0·49	0·39	...	...	0·38	0·54	0·17	0·82	...
		Jamtara ...	0·09	.	0·19	..	...	..	0·88	..	0·65	1·00	1·05	0·27	.	..	...	0·40	0·28	.	...	...
		Mohagama			...	0·85	...	...	1·30	0·45	1·55	...	..	...	...	...	...	...	...	2·15	2·24	...
		Nanihat ..	0·07	...	...	. .	...	...	0·20	...	...	. .	0·70	...	. .	...	...	...	...	...	...	...
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (Giridi).	0·30	0·10	0·70	...	...	...	0·26	0·80	0·04	0·77	...	0·63	0·87	0·16	0·35	0·23	0·17	0·29	0·06	0·15
		Hazaribagh ...	0·72	0·09	0·13	0·12	.	0·25	0·81	0·24	0·30	0·16	0·17	0·01	0·56	...	0·02	0·46	0·29	0·14	...	0·61
		Semtagurrah .	0·51	0·21	0·28	1·08	...	1·06	0·78	0·16	0·46	...	0·16	...	0·18	..		0·17	0·34	0·33	0·10	...
		Mahudi Hills	0·94	0·18	0·23	...	0·28	3·30	0·18	.	0·36	..	1.21	2·17	0·41	...	...	0·80	0·70	0·60	...	0·20
		Jhoomrah Hills	0·19	0·50	0·80	...	.	0·10	0·90	0·60	. .	0·50	0·20	...	..	...	0·50	...	.	...	...	...
		Barhi ...	0·70	0·20	0·55	...	...	0·36	..		..	...	0·74	...		..	0·15	..	0·50	...	0·15	0·40
		Chatra ..	0·30	2·20	0·34	..	...	...	1·65	0·41	...	...	0·85	...	0·31	...	...	..	...	...	...	4·80
		Karagdeha ...	...	..	...	..	...	...	4·30	...	...	...	2·30	...	..	...	...	0·60	...	...	...	...
		Ramghar ...	.	0·30	0·15	0·43	...	...	1·35	1·10	...	...	0·05	...	0·75	..	0·03		...	...	...	...
	Lohardugga...	Lohardugga ...	0·58	0·18	0·16	2·70	...	..	0·85	0·60	0·18	0·04	0·26	...	0·57	...	0·07	0·30	0·24	...	0·06	0·68
		Ranchi ...	..	0·20	0·24	...	...	0·24	2·52	0·18	...	0·12	2·58	..	.	..	...	0·80	0·18	0·08	0·65	0·10
		Palamow ...	...	0·15	0·25	0·85	...	1·45	0·47	0·60	0·85	0·33	0·43	...	0·67	0·68	...	0·44	...	...	0·11	0·60
		Silli ...	.	2·10	1·00	...	..	1·00	...	...	0·90	...	...	...	...	.	0·90	...	...	...	...	...
		Balumat ...	1·60	...	...	1·80	0·70	0·18	0·10	0·50	...	...	. .	1·06	0·80	0·10	...	0·34	...	...	...	...
		Hoseinabad ..	...	0·66	...	..	0·51	...	0·84	0·78	0·59	...	...	..	0·60	.	...	...	...	...	...	...
		Garwah ...	...	...	0·66	0·10	0·46	0·70	0·40	...	0·40	...	...	0·40	...	0·60	...	...	...	...	...	...
	Singbhoom ...	Chyebassa ...	..	...	0·60	...	...	0·23	1·38	0·27	0·35	...	...	...	...	...	...	0·60	0·24	...	...	0·68
		Chakradharpore.	0·18	...	...	...	...	...	0·70	3·07	1·03	1·44	...	...	...	...	0·42	0·71	...	...	1·25	...
		Ghatsila ...	0·60	...	...	...	...	...	...	...	...	1·50	0·45	1·46	..	0·49	1·45	1·64	0·65	0·56	...	...
		Baharagura...	. .	...	...	...	...	0·60	0·52	...	...	0·36	...	...	...		0·74	2·16	0·30	...	...	...
	Manbhoom ...	Purulia ...	0·77	...	0·67	...	...	2·87	0·58	...	0·23	0·17	0·49	0·45	0·07	...	0·41	0·77	0·72	0·28	0·23	0·02
		Gobindpore ...	1·49	6·27	0·35	. .	...	0·66	0·46	0·15	0·21	0·54	0·05	0·14	...	.	...	0·15	0·16	0·09	0·30	0·31
		Raghunathpore.	0·50	0·52	0·48	...	...	0·98	0·50	0·48	0·20	0·03	0·48	2·48	0·08	...	..	0·24	0·10	0·10	0·04	...
		Barrabhoom...	0·17	...	...	...	...	1·20	0·50	...	0·18	0·02	...	0·70	...	...	...	1·10	0·45	0·15	...	...
		Jhalda ...																				
		Chas ...																				

in **Bengal for the month of September 1888**—*concluded*.

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 30th Sept. 1888.	Average rainfall from 1st January up to 30th Sept. 188.	Station.	District.	Meteorological division.
...	...	0·03	...	...	...	...	...	...	...	18	12·6	11·25	7·43	2·16	41·32	35·85	Buxar ...	Shahabad.	SOUTH BEHAR.
...	...	...	...	...	...	...	...	...	...	11	12·2	7·93	7·78	3·21	43·46	37·33	Dehree.		
...	...	...	...	...	...	...	...	...	...	9	10·3	7·20	6·70	2·80	40·87	39·12	Bhuboosh.		
...	...	...	...	0·20	...	...	...	...	...	12	13·1	7·13	6·95	1·80	42·26	38·36	Sasseram.		
...	...	0·05	...	...	...	...	...	...	...	11	12·2	5·58	8·35	1·90	43·53	41·66	Arrah.		
...	...	...	...	...	...	...	...	...	...	7	?	8·30	?	2·20	35·23	?	*Mohaniah.**		
...	...	...	...	...	...	...	...	...	...	10	9·9	5·97	7·15	2·31	52·08	40·92	Arungabad ...	Gya.	
...	...	...	...	...	...	...	...	...	...	12	12·4	7·83	7·15	1·83	51·57	38·42	Gya.		
...	...	...	...	0·23	0·04	...	...	...	...	12	9·4	4·40	6·84	1·24	69·26	39·39	Nowadah.		
...	...	...	...	...	...	...	...	...	...	14	8·6	6·66	5·72	1·72	45·93	39·03	Johanabad.		
...	...	...	...	0·16	...	...	...	...	...	11	?	7·22	?	3·16	39·11	?	*Arwal.*		
...	...	...	...	...	...	...	...	...	...	8	?	6·28	?	1·50	41·91	?	*Daudnagar.*		
...	...	...	...	...	...	...	...	...	...	5	?	3·80	?	1·00	32·72	?	*Sheerghati.*		
											?		?			?	*Rajauli.*		
...	...	...	...	0·85	...	...	...	...	...	9	?	5·14	?	1·42	37·88	?	*Pakri Barawan.*		
...	...	0·13	...	...	0·33	0·04	...	...	...	12	12·6	3·17	7·87	1·29	39·88	38·70	Patna ...	Patna.	
...	...	0·20	...	...	...	...	...	...	...	11	10·9	2·70	6·62	0·75	42·27	39·18	Dinapore.		
...	...	...	...	...	...	...	...	...	...	11	12·0	3·63	6·39	1·15	52·16	40·83	Behar.		
...	...	...	0·70	...	...	...	...	...	...	13	14·3	11·20	7·88	4·40	53·17	36·97	Barrh.		
...	...	...	...	...	...	...	...	...	...	8	?	6·33	?	2·10	37·90	?	*Bickram.*		
...	...	...	0·10	0·10	...	...	...	...	...	11	?	4·69	?	1·62	46·33	?	*Hilsa.*		
...	...	...	...	...	0·46	0·40	...	...	...	14	11·1	7·67	7·29	2·50	40·41	39·06	Begooserai ...	Monghyr.	
...	...	...	...	0·16	...	...	...	...	...	12	12·8	9·95	8·44	2·04	54·12	41·50	Monghyr.		
...	...	...	...	...	0·11	...	...	...	...	14	10·4	4·46	7·29	1·80	48·98	42·45	Jamui.		
...	...	...	...	0·78	...	...	...	...	...	12	?	12·04	?	3·48	58·70	?	*Gogri.*		
...	...	...	...	...	1·40	0·30	...	...	...	7	?	4·54	?	1·60	59·03	?	*Sheikpura.*		
...	...	...	...	0·10	...	...	...	...	...	9	12·8	6·20	7·92	2·20	55·05	43·46	Bhagulpore ...	South Bhagulpore.	
...	...	...	0·05	...	...	...	...	...	...	14	12·7	4·44	8·03	1·50	37·93	42·06	Banka.		
...	0·04	...	...	...	...	...	...	...	...	7	?	6·00	?	3·83	50·35	?	*Kolgong.*		
...	...	...	...	...	...	0·55	...	...	...	12	11·3	4·37	11·86	1·50	46·83	52·37	Rajmehal ...	Sonthal Pergunnahs.	
...	...	...	...	...	...	...	...	...	...	13	11·9	5·91	9·53	2·20	47·49	44·72	Godah.		
...	...	...	...	0·08	...	...	...	...	...	11	15·5	11·18	12·53	2·19	62·35	56·50	Pakour.		
...	...	...	...	...	...	...	0·25	...	...	13	17·7	4·14	10·27	0·84	51·60	53·25	Nya Doomka.		
0·08	...	...	...	...	...	...	...	...	...	14	14·9	5·47	8·54	0·98	51·71	48·22	Deoghur.		
...	...	...	...	...	0·53	0·48	...	...	...	11	12·3	7·10	7·83	1·60	56·64	48·28	Jamtara.		
...	...	...	...	...	...	...	...	...	...	6	?	8·14	?	2·34		?	*Mohagama.*		
...	...	...	...	...	...	0·14	...	...	...	4	?	1·20	?	0·79	27·42	?	*Nunihat.*		
...	...	...	...	...	...	...	...	...	...	16	16·1	5·88	8·66	0·87	52·38	47·35	Pachamba (*Giridi*). ...	Hazaribagh ...	CHUTIA NAGPUR.
...	...	...	0·03	0·05	...	...	...	...	...	19	17·8	5·16	7·82	0·81	55·50	45·96	Hazaribagh.		
...	...	...	...	...	...	...	...	...	...		14·5						Semtagurah.		
...	...	...	...	0·35	...	...	...	...	...	15	12·7	10·61		3·36	54·97	47·10	Mahudi Hills.		
...	...	...	...	...	...	...	...	...	...	12	15·3	6·00	11·31	0·90		60·81	Jhoomrah Hills		
...	...	...	...	...	...	...	...	...	...	6	?	3·06	?	0·74	49·94	?	*Barhi.*		
...	...	...	...	...	...	...	...	...	...	11	?	7·45	?	2·20	55·24	?	*Chatra.*		
...	...	...	...	...	...	...	...	...	...	3	?	11·40	?	4·80	52·93	?	*Karagdeha.*		
...	...	...	...	...	...	...	...	...	...	9	?	5·06	?	1·35	46·21	?	*Ramghar.*		
...	...	...	...	0·11	0·61	...	...	...	...	17	18·3	8·21	9·67	2·70	49·40	49·09	Lohardugga ...	Lohardugga.	
...	...	...	...	...	...	...	...	...	...	12	16·8	7·88	8·19	2·53	55·13	46·61	Ranchi.		
...	...	...	...	...	...	...	...	...	...	14	12·8	7·88	7·95	1·45	52·80	41·36	Palamow.		
...	...	...	...	...	...	...	...	...	...	5	?	5·90	?	2·10		?	*Silli.*		
											?		?			?	*Balumat.*		
...	...	...	...	...	...	...	...		...	7	?	4·32	?	0·84		?	*Hoseinabad.*		
...	...	...	...	...	...	...	...		...	8	?	3·72	?	0·70	48·46	?	*Garwah.*		
...	...	0·96	...	...	0·07	...	...	...	...	10	16·6	5·32	8·33	1·38	43·61	51·45	Chyebassa ...	Singbhoom.	
...	...	0·40	0·50	0·30	0·50	...	0·42	...	...	13	?	10·92	?	3·07		?	*Chakradharpore.*		
...	...	...	...	...	...	...	...	...	...	8	?	8·31	?	1·64	58·06	?	*Ghatsila.*		
0·54	...	...	...	...	...	...	...	...	...	8	?	5·80	?	2·16	62·42	?	*Baharagura.*		
0·03	...	...	...	...	0·37	...	...	...	...	17	16·3	9·13	7·80	2·87	59·99	46·79	Purulia ...	Manbhoom.	
...	...	...	...	...	0·11	...	...	...	...	16	13·3	5·44	7·12	1·49	35·95	43·04	Gobindpore.		
0·08	...	...	...	...	...	...	0·06	...	...	17	?	7·44	?	2·48	55·12	?	*Raghunathpore.*		
0·32	...	...	...	...	...	...	...	...	...	10	?	4·79	?	1·20	53·65	?	*Barrabhoom.*		
											?		?			?	*Jhalda.*		
											?		?			?	*Chas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, DURING THE MONTH OF SEPTEMBER 1888.

The weather conditions in Bengal during September are generally similar to those of the previous monsoon months. The south-west monsoon continues to bring up large amounts of aqueous vapour, and during the earlier weeks of the month the rainfall, more especially in the western districts, is partly due to the Bombay branch of the monsoon current, though the greater part of the rainfall is undoubtedly brought up by the current blowing from the Bay of Bengal. The Bombay branch, however, gives way earlier than that from the Bay of Bengal, and from the second or the third week it ceases to influence Bengal. The Bay of Bengal branch also weakens during September, particularly during the latter half of the month, and at its close it almost withdraws from the province, and thus the rainfall in September in Bengal is decidedly smaller than in July and August, and the decrease is also greater in the western districts than elsewhere, from the cessation of the Bombay monsoon current comparatively early in the month.

The intermittent character of the monsoon rainfall has been frequently pointed out in previous summaries. Each heavy burst of rainfall appears to exhaust for the time being the supplies of aqueous vapour available for condensation. Hence, after each such burst, the monsoon current falls off, and appears to die away in and near its normal limits. Local variable winds set in over the Gangetic plain and extend eastwards. This goes on until the moisture current in the rear accumulates fresh supplies of aqueous vapour and renewed energy, when it again advances and gives general rain. The majority of these advances accompany a certain amount of atmospheric disturbance, which frequently takes the form of small moving depressions or cyclonic circulations or storms. These usually occur near the front of the increasing monsoon current, or near its limits of retreat. Hence these depressions may originate either over the land or the sea, according to the strength and other conditions of the monsoon current at the time. The chief meteorological features of the month are usually the depressions which introduce and accompany the bursts of rain. Their place of formation, the rapidity with which they follow one another, and the total amount of rain they give, depend mainly upon the strength of the monsoon current itself, whilst the directions which the depressions pursue, and the local distribution of rainfall, are determined by the local meteorological conditions prevalent during their formation and existence.

Normal distribution of rainfall.—The average distribution of rainfall for the month of September depends mainly upon the geographical relations of the province to the Bay of Bengal monsoon current, which are similar to those of the preceding month. The withdrawal of the Bombay branch westward deprives a portion of the province (chiefly the western districts) of one of its sources of rainfall, and also somewhat alters the conditions and relation of the province to the other branch. Hence the average distribution of the month of September differs, more especially in the western districts, considerably from that of the two preceding months of July and August.

The average rainfall of the month exceeds 20 inches in the districts at the foot of the hills in North Bengal. Between this area and a line running west and east through Bagdogra, and also in a small area in East Bengal, including Fenny and Noakholly, the mean rainfall varies between 15 and 20 inches. Between these areas and a curved line defined by the stations of Bettiah, Durbhunga, Bhagulpore, Godda, Berhampore, Goalundo, Manickgunge, Bagirhat, Diamond Harbour, Kendrapara and Pooree, and thus including the greater part of North-East and South-West Bengal and the northern districts of North Behar, the average rain is from 10 to 15 inches. In the area to the south and west of this line, including the whole of Behar, except the most northern portions, the northern and central districts of South-West Bengal, the Sonthal Pergunnahs, Chutia Nagpur, and the western districts of Orissa, the average rainfall is less than 10 inches, and ranges between 6 and 10 inches. The greater part of South-West Bengal and Chutia Nagpur, within this area, has an average varying from 8 to 10 inches. The average rainfall of the month is least in the Patna, Gya and Shahabad districts of South Behar, and in a small area in South-West Bengal, including the stations of Magoorah, Bongong, Ranaghat, Krishnaghur and Culna. In these districts the average rainfall very slightly exceeds 6 inches, and ranges between 6 and 7 inches.

Meteorology of the month.—It will be remembered that during August the weather was very disturbed, the variations of pressure during that month were large, and cyclonic storms of very considerable intensity were experienced at different times during the month. These conditions ceased with August, and during September the weather was much finer and more settled. Small storms, however, such as are usually formed over the Bay during the prevalence of the south-west monsoon, occurred on two occasions, and there occurred a storm which, to all appearance, was formed outside the Indian area in the Gulf of Tonquin, and which subsequently passed across the Siam Peninsula and entered the Andaman Sea.

The past month has been characterised by moderate general rainfall. In North Bengal and North Behar, indeed, there was some considerable deficiency, the total rainfall of the month in those two districts amounting to only 55 per cent. and 65 per cent. respectively of the normal fall, but in the other districts the fall was larger, varying between 70 per cent. and 89 per cent. of the usual amount received. The deficiency of rainfall though slight, and, as has been shown, generally unimportant, has been remarkably general. Throughout the whole province, only four stations exhibit an excess, and of these Midnapore is the only one where the excess is of any importance. All the other stations throughout Bengal show a deficiency ranging from as much as 13 inches at Julpigoree to less than half an inch at Manbhoom.

Three depressions were shown over the Bay during the month.

The first, which lasted from the 1st to the 3rd, was shown lying between Saugor Island and False Point on the morning of the 1st. It was exceedingly feeble, and had little or no

influence on the winds at any station beyond those in its immediate neighbourhood. Moderate rain accompanied it, and the weather was very cloudy. On the 2nd the depression still occupied the same position, and the winds and weather in its neighbourhood were unaltered. It passed inland on the 3rd and filled up.

Depression of 5th to 7th.—On the 5th, pressure was falling fast in the north-east corner of the Bay, and an area of relatively low pressure existed between Akyab and the mouth of the Megna. Rain was falling on the eastern side of the Bay from Chittagong southwards, while in Bengal and on the west side of the Bay (due to the northerly winds on the western side of the depression) the weather was fine. By the morning of the 6th the depression had intensified considerably, and had at the same time travelled westward towards the Orissa coast. The barometer had fallen slightly around the head and west of the Bay, while it had risen rather briskly in the east. A fairly well-marked cyclonic circulation of the winds existed around the centre of depression, and moderate rain was falling in Orissa and South-West Bengal. By the next morning, the 7th, the storm had passed inland, the barometer had risen, and the weather had assumed its normal monsoon characteristics. Balasore reported 4½ inches, Dacca 2½ inches, and Puri 1¼ inch of rain.

Depression of the 12th to 16th.—The final, and by far the most important, storm of the month was much more interesting and more extensive than either of the two preceding ones, which were of the ordinary monsoon type. On the 10th and 11th the reports showed a steadily falling barometer over Tenasserim and the Gulf of Martaban, and a steady north-westerly wind over Burma. On the 12th the wind had shifted to north-east at Moulmein and Rangoon, and a slight depression was shown around Tavoy. On the following day a very rapid barometric fall occurred over Tenasserim and Lower Burma, and it appeared that a depression was crossing the Eastern Peninsula from the Gulf of Siam. This storm travelled quickly across the Gulf of Martaban, so far as can be judged, developing quickly as it did so. On the morning of the 14th the centre lay to the north of Diamond Island, and a gale of wind prevailed over Lower Burma. On the 15th the centre probably lay in about lat. 18° N and long 90° E. It was advancing quickly west-north-west, but as only the coast observations are at present available, it is difficult to locate the centre exactly. The observations of the succeeding day showed that the storm must have crossed the Bay at a rate of about 20 miles per hour. Its centre crossed the Orissa coast near Puri, where at 8 A.M., some time probably after the actual moment of passage, the barometer was as low as 29·34 inches. Heavy rain was experienced all around the head of the Bay.

This storm subsequently travelled west-north-west and north-west as far as North-Western India, and gave exceedingly heavy rain to a very large part of Northern India. The storm was an exceedingly interesting one, not only on account of the exceptional rapidity with which it crossed the Bay, and the length of time during which it existed after it crossed the coast, but more particularly on account of its apparent place of origin. The existing evidence tends to show that the storm originated in the Gulf of Tonquin and crossed the narrow peninsula separating that Gulf from the Andaman Sea. If such be the case, it is the first recorded instance of the kind.

Pressure—Though considerably reduced during the passage across the Bay of the abovementioned depression, has been generally somewhat above the normal average of the month. During the first week of the month, pressure over Bengal and the Bay was subject to both local and general irregular oscillations, but the final result showed an excess for the whole of Bengal and for Assam. During the first three days of the following week, viz., the 8th, 9th and 10th, the barometer continued to indicate an excess of pressure, but on Tuesday, the 11th, a fall set in which continued briskly, and by Friday, the 14th, brought pressure below the normal of the time of year. This depression of the barometer lasted until the cyclonic storm (noticed above) reached the land, after which pressure rose fast and was above the average until near the close of the month, when it fell again to about the normal.

Temperature.—During the present month the rainfall of Northern Bengal having been slightly deficient, temperature has been slightly in excess. Elsewhere the variations of the mean temperature from the normal have been slight and unimportant. The temperature all over the province and over Assam has been very uniform, the range (excluding Chutia Nagpur) being only slightly more than 1°. Assam had the highest maximum, North Bengal the lowest minimum during the month.

Rainfall.—Speaking generally, the greater part of the rainfall of the past month fell during the first half of the month, the latter part, after the passage of the concluding cyclone, having been fairly fine over the greater part of the province. Fairly general rain fell over the whole province on the first day of the month, but consequent on the appearance of northerly winds due to the feeble storm in the north of the Bay, there was a partial break in the rains between the 2nd and 5th. Subsequently as the storm passed westward, and southerly and south-westerly monsoon winds again established themselves throughout the province, rather heavy rain recommenced and fell during the 6th and 7th. Between the 8th and 14th there occurred a partial cessation in the rains. All districts, except North Behar, reported a defect during this week, but the weather was showery, and several heavy local falls were reported. Falls of 5 inches were reported during the week from Mymensingh and Dhubri, and of from 2 to 2½ inches from East and North Bengal. During the next seven days, the 15th to 21st, the rainfall was in excess of the average in Orissa and South-West Bengal, and slightly deficient elsewhere. In Orissa the fall was exceptionally heavy. During the remainder of the month the weather, undisturbed by any depressions from the Bay, was fine, and the rainfall throughout the province comparatively slight.

The following table, which includes the above figures, gives a comparison between the actual monthly and total rainfall, and the normal rainfall of the province up to the end of September, in the same form that has been employed in the previous monthly abstracts of the present year. The figures represent the ratio of the rainfall of each month of the present year to the normal rainfall expressed as a percentage. The table thus gives a

condensed summary of the rainfall data of the present year for each meteorological division. The first nine columns give the percentage amount of rainfall received in each month, and the last column the percentage rainfall of the whole period from the 1st of January to the end of September :—

Metrorological Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	Actual rainfall of first nine months of 1888 expressed as a percentage of the normal fall for the period.
Orissa	410	193	41	46	92	80	81	185	89	100
South-West Bengal	207	125	67	141	62	57	131	157	77	107
East Bengal ...	258	109	119	221	90	53	120	133	70	102
North Bengal ...	53	72	122	180	95	69	100	87	55	83
North Behar ...	79	4	132	848	102	61	130	118	65	101
South Behar ...	157	17	19	69	59	39	135	169	81	112
Chutia Nagpur ...	235	104	5	24	30	30	128	134	81	99

From this table it will be seen that for six of the meteorological divisions the actual rainfall of the first nine months of the present year equals or exceeds the normal average, and that at one only, viz., North Bengal, is there any deficiency. In Orissa, where the rains in the early monsoon were so deficient, there is now only a deficiency of 13 per cent. for the five months May to September.

The following table gives full data for the comparison of the actual and the normal rainfall of the month of September in all districts of the province. The figures are derived in the manner explained in preceding monthly summaries. The first column gives the average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in the district. The third column expresses the ratio of the actual district rainfall to the normal district rainfall expressed as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states by what percentage the actual rainfall varied in excess (+) or in defect (—) from the normal rainfall :—

Percentage Table for September 1888.

Division.	District.	Norn[al] rai[nfall] district for Sep[tem]ber 188[8]	district for [ ]ber 1888.	Percent[age] actual rainfall	[Percenta]ge ex[cess] (+), deficit
Orissa ...	Pooree	9·98	7·70	77	— 23
	Cuttack	9·53	8·13	85	— 15
	Balasore	11·28	11·00	97	— 3
South-West Bengal	Midnapore	8·85	8·73	99	— 1
	24-Pergunnahs	9·62	8·66	90	— 10
	Howrah	8·64	6·49	75	— 25
	Hooghly	8·43	7·50	89	— 11
	Burdwan	7·87	7·39	93	— 7
	Bankoora	8·53	5·40	63	— 37
	Beerbhoom	9·16	8·82	96	— 4
	Nuddea	8·52	6·21	73	— 27
	Khoolna	9·33	4·94	53	— 47
	Jessore	8·43	5·69	68	— 32
	Moorshedabad	9·77	6·17	63	— 37
East Bengal ...	Chittagong	14·07	12·20	87	— 13
	Backergunge	11·36	6·25	55	— 45
	Noakholly	16·26	10·14	62	— 38
	Furreedpore	8·68	6·32	73	— 27
	Dacca	10·05	6·93	69	— 31
	Commilla	11·58	9·50	82	— 18
	Mymensingh	12·94	9·55	74	— 26
North Bengal ...	Pubna	10·27	3·56	35	— 65
	Bogra	10·70	6·06	60	— 40
	Rajshahye	11·26	11·77	105	+ 5
	Maldah	10·52	6·47	61	— 39
	Dinagepore	11·17	6·15	55	— 45
	Rungpore	13·00	8·70	67	— 33
	Cooch Behar	21·95	7·34	33	— 67
	Julpigoree	23·59	13·61	58	— 42
	Darjeeling	17·42	12·00	69	— 31
North Behar ...	Purneah	13·53	6·01	44	— 56
	North Bhagulpore	9·76	7·59	78	— 22
	Durbhunga	9·25	5·30	57	— 43
	Mozufferpore	8·27	3·65	44	— 56
	Chumparun	9·05	7·76	86	— 14
	Sarun	7·68	8·10	105	+ 5
South Behar ...	Shahabad	7·29	7·45	102	+ 2
	Gya	6·90	6·37	92	— 8
	Patna	7·20	5·16	72	— 28
	Monghyr	7·75	7·30	94	— 6
	South Bhagulpore	7·98	5·19	65	— 35
	Sonthal Pergunnahs	8·06	6·01	75	— 25
Chutia Nagpur ...	Hazaribagh	8·10	5·40	67	— 33
	Lohardugga	8·94	8·07	90	— 10
	Singbhoom	8·39	5·32	63	— 37
	Manbhoom	7·68	8·39	109	+ 9

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of September 1888 :—

Meteorological Divisions.	Temperature.						Rainfall.							
			Averages for month.			of month above mean of month.	Of month.			Rainy days.			Since 15th May.	
			high day.	lo day.										
Orissa	95·2[1]	73·8[1]	89·3[1]	78·5[1]	83·9*	+0·9	9·30	10·42	—1·12	12·0	15·3	—3·3	46·20	45·21
South-West Bengal	96·5	72·3		78·1	83·6	+0·3	6·98	9·04	—2·06	12·4	14·7	—2·3	51·56	46·62
East Bengal ...	94·3	73·1	88·0	77·7	82·9	+0·8	8·55	12·17	—3·62	13·7	16·5	—2·8	65·44	66·91
North Bengal ...	95·8	71·1	89·1	77·5	83·3	+1·1	7·40	13·59	—6·19	13·1	14·3	—1·2	51·85	65·08
North Behar ...	96·2	72·6		77·2	82·9	—0·6	6·38	9·85	—3·47	12·4	11·2	+1·2	41·40	44·39
South Behar ...	95·5	72·8		77·5	83·5	—0·1	6·48	7·98	—1·50	12·2	12·2		47·08	39·58
Chutia Nagpur ...	87·5†	67·7†	83·0†	71·2†	77·4†	—0·4†	7·15	8·84	—1·69	14·7	15·5	—0·8	48·72	45·18
Assam	98·6	73·0	89·0	76·7		+0·6								

* Pooree not included.
† Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 14th October 1888.

W. L. DALLAS,
for Offg. Metgcl. Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

STATION OBSERVATIONS.

Meteorological Division.	District.	Representative station.	Air pressure: Mean barometric height, 10 A.M.	Air pressure: Mean reduced to sea-level.	Air pressure: Variation from mean.	Wind: Prevailing direction.	Wind: Mean wind velocity.	Temperature: Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·925	29·937	—	Calm	151	90·2	11th Oct.	72·6	8th Oct.	88·8	76·0	82·4	—	80·0
		Gopalpore .	29·907	29·957	+·073	North	168	91·2	6th „	72·8	8th „	88·3	75·5	81·9	−0·7	86·2
		False Point ...	29·926	29·947	+·061	W	168	89·5	9th, 10th, 12th Oct.	71·6	11th & 12th Oct.	86·6	74·0	80·3	−2·5	84·0
	Cuttack	Cuttack ...	29·872	29·854	+·076	WSW	84	92·4	10th, 11th, 12th Oct.	70·8	12th „	89·7	73·2	81·5	−1·8	83·7
	Balasore	Balasore ...	29·888	29·948	+·071	Calm	82·3	89·4	10th „	69·9	9th, 10th, 11th Oct.	87·2	72·0	79·6	−2·5	82·8
South-West Bengal.	South-West Midnapore; South 24-Pergunnahs	Saugor Island	29·903	29·922	+·043	W	243	89·2	6th „	73·0	10th, 11th Oct.	86·7	76·4	81·6	−1·1	83·1
	Midnapore	Midnapore ...	29·787	29·933	+·049	South & northerly	52·6	91·3	8th, 9th „	69·2	11th „	89·2	71·2	80·2	−1·7	85·1
	24-Pergunnahs ...; Howrah ...; Hooghly ...	Calcutta ...	29·903	29·925	+·043	Variable	62	87·0	10th & 11th Oct.	70·7	10th „	86·1	73·3	79·7	−2·9	82·6
	Burdwan	Burdwan ...	29·824	29·925	+·031	Westerly	80·0	90·6	9th & 10th Oct.	70·0	9th „	89·1	73·3	81·2	−1·8	82·8
	Bankoora	Bankoora ..														
	Beerbhoom ...; West Burdwan ...	Raneegunge ...	29·590	29·809	+·052	Westerly	73·1	91·5	6th „	68·9	8th, 9th Oct.	90·2	70·9	80·6	−1·7	84·8
	Moorshedabad	Berhampore ...	29·801	29·928	+·044	N W	59·6	89·6	6th, 10th Oct.	70·2	10th „	88·0	72·9	80·4	−3·9	83·4
	Nuddea	Krishnaghur...	29·882	29·948	+·057	Variable	80·2	89·3	10th & 11th Oct.	69·8	10th „	87·4	72·7	80·1	−2·2	83·7
	Jessore ...; Khoolna ...	Jessore ...	29·892	29·026	+·041	Westerly	65·8	89·2	10th „	73·9	10th „	88·1	76·7	82·5	−0·9	83 6
East Bengal.	Chittagong	Chittagong ..	29·849	29·940	+·040	Easterly	72·0	88·1	12th „	73·0	10th „	84·7	75·0	79·8	−1·5	81·7
	Chittagong Hill Tracts	Demagiri ...						Observations not received.								
	Backergunge	Burrisal ..	29·902	29·914	+ 051	NE	61·2	89·3	12th Oct.	73·9	11th „	85·8	75 0	80 5	−1·5	83·0
	Noakholly	Noakholly ...														
	Furreedpore	Furreedpore...	29·893	29·933	+·030	Variable	56·7	88·5	6th „	71·9	12th „	86·1	74 6	80·4	−1·3	82·6
	Dacca	Dacca ...	29·809	29·913	+·039	SE	82	90·6	6th „	73·6	11th „	87·0	75·0	81·0	−1·9	83 4
	Commillah	Commillah ...	29·885	29·921	+·058	NE	75·9	89·4	11th, 12th Oct.	71·8	11th „	87 0	73 9	80·5	−2 1	81·7
	Mymensingh	Mymensingh .	29·860	29·928	+·058	Easterly	72·3	90 3	6th „	72·1	12th „	86·7	73 6	80 2	−1·7	82 3
North Bengal.	Bogra	Bogra ..	29·838	29·901	—	Calm	48·7	90 3	6th „	69·8	8th „	88·4	72·7	80·6	—	83 7
	Pubna	Serajgunge ..	29·872	29 919	+·041	E	47·9	91·1	6th „	70·7	8th „	88 2	72 4	80 3	−1·5	83·3
	Rajshahye	Rampore Beauleah.	29 856	29·927	+·068	Variable	85·1	89·8	10th „	69·7	10th „	87·8	73·4	80 6	−0 2	84 3
	Maldah	Maldah ...														
	Dinagepore	Dinagepore ..	29·786	29·907	+·043	Easterly	53·0	91·6	6th „	59·7	12th „	88·7	67 7	78·2	−3 8	82·9
	Rungpore	Rungpore ...	29·800	29 926	−·003	SE, NE	53·0	92 8	6th „	68·7	8th „	88·8	73 1	81·0	−0 7	83·2
	Julpigoree ...; Cooch Behar ...	Julpigoree ...	29·642	29·932	+·005	E	52 8	92 0	6th „	56·9	12th „	88·2	69·5	78·9	−0·7	85·3
	Darjeeling Hill Tracts ...	Darjeeling ...	23·039	—	−·023	Variable	124	64·1	6th „	50 1	10th, 11th Oct.	61·5	51·2	56·4	−0·8	56·7
North Behar.	Purneah ...; North Bhagulpore ...	Purneah ...	29·700	29·926	+·039	Easterly, South.	52·7	91·7	6th „	61·7	10th „	89·1	69·2	79 1	−2·7	83·8
	Mozufferpore	Mozufferpore						Observations suspended.								
	Durbhunga	Durbhunga ..	29·759	29·929	+·055	Variable	72·0	90·4	6th Oct.	71 8	9th Oct.	87·6	73 4	80 5	−0 1	81 8
	Chumparun	Motihari ...	29·675	29·904	+·042	W & Calm.	90·7	95·2	8th, 9th Oct.	64·8	7th, 8th, 9th Oct.	92·2	66·4	79 3	+0 1	84·2
	Sarun	Chupra ...	29·702	29·898	+ 031	Variable	90·6	88·5	10th „	67·8	10th „	86 4	70 3	78 3	−2·0	85·5
South Behar.	Shahabad	Dehree ...	29·571	29 928	+ 057	Westerly	178·5	92·3	10th & 11th Oct.	69·5	11th „	90·9	72 1	81·5	+1·5	81·1
		Buxar ..	29·682	29·926	+·052	WNW	102·9	92 9	12th „	67·8	10th & 11th Oct.	90 1	69 1	79 6	−1 2	85·3
		Arrah ...	29·724	29·923	+·056	WSW, SSW.	38·9	92 4	11th „	66·7	7th, 8th, 10th Oct.	90 8	67·8	79·3	−1·0	83·5
	Gya	Gya ...	29·637	29·918	+·024	Calm	61·6	92·4	6th & 10th Oct.	67·2	11th „	91·0	68·7	79 9	−1 5	83·7
	Patna	Bankipore ...	29·741	29·926	+·039	W	62·7	92·9	10th „	68·7	8th „	91·5	71·3	81·4	−0·1	85·1
	South Bhagulpore ...; Monghyr ...	Bhagulpore ...	29·761	29·924	+·060	Variable	64·0	91·2	6th „	67·0	9th „	88·9	71·0	80 0	−0·7	85·1
	Sonthal Pergunnahs ...	Doomka ...	29·418	—	—	Variable	50·2	90·5	10th „	66·4	10th „	89·3	69·4	79·4	—	81·4
Chota Nagpore.	Hazaribagh	Hazaribagh ...	27·923	29·935	+·052	Westerly	154·1	86·5	*10th „	61·8	11th „	184·0	64·9	74 5	−1 6	79·2
	Lohardugga ...; Manbhoom ...	Ranchee ...	27·799	29·921	+·049	NNW	159·1	86·0	10th „	61·4	9th „	84·4	63·0	73·7	−2·4	80·3
	Singbhoom	Chyebassa ...	29·162	—	—	Calm	18·9	91·4	10th „	65·8	11th „	96·0	67·8	78·9	—	83·1
Assam.	......	Sibsagar ...	29·629	29·963	+·030	Easterly	55	89·6	6th „	68·9	9th „	83·7	72·3	78·0	−0·7	78·4
	......	Dhubri ...	29·816	29·936	+·042	ENE	152·3	88·2	6th „	71·3	8th „	86·5	73·6	80·2	−0·4	80·8
	......	Silchar ..	?	?	?	Variable	48	94·0	6th „	70·3	10th „	86·5	74·1	79·8	−1·4	81·6

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period or the last ten years. The *humidity* of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 21 stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Mean of 6 days.

for the week ending Friday, the 12th of October 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
76	3·1	0·32	0·25	1·79	1·46	3·11	−1·65	39·63	47·54	−7·91	0·8	2·4	Pooree	Pooree	Orissa.
57	1·6	0·12		—		—			—			—	Gopalpore		
66	3·0	0·70		—		—			—			—	False Point		
59	3·4	0·09	0·05	1·31	0·91	2·35	−1·44	49·56	46·88	+2·68	0·6	2·2	Cuttack	Cuttack	
72	2·7	0·96	0·16	1·47	1·11	2·49	−1·38	52·16	48·75	+3·41	0·5	2·0	Balasore	Balasore	
74	3·9	1·41	0·58	1·23	2·15	2·32	−0·17	54·88	55·55	−0·67	1·7	2·4	Saugor Island	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
58	1·0	0·79	0·28	1·05	1·37	1·73	−0·36	62·30	47·98	+14·32	0·7	1·7	Midnapore	Midnapore	
68	3·0	1·08	0·63	1·10	2·10	1·81	+0·29	61·80	48·08	+13·72	1·3	2·2	Calcutta	24-Pergunnahs; Howrah; Hooghly	
66	2·6	0·52	0·81	0·80	0·54	1·63	−1·09	53·22	43·46	+9·76	1·3	1·8	Burdwan	Burdwan	
			Nil	0·97	0·51	1·82	−1·31	51·36	49·30	+2·06	0·0	2·0	Bankoora	Bankoora	
55	1·6	Nil	0·41	0·95	0·62	1·02	−1·00	55·40	49·03	+6·37	0·8	1·6	Raneegunge	Beerbhoom; West Burdwan	
70	2·6	0·63	0·80	1·07	1·66	1·88 *	−0·22	46·14	47·35	−1·21	1·3	2·0	Berhampore	Moorshedabad	
68	4·1	3·93	0·36	1·00	1·70	1·82	−0·12	53·03	45·93	+7·11	1·0	2·1	Krishnaghur	Nuddea	
76	3·7	0·89	0·80	0·95	1·59	1·72	−0·13	43·51	49·39	−5·88	1·6	2·1	Jessore	Jessore; Khoolna	
84	5·3	4·09	5·61	1·54		3·26			107·01		2·5	2·8	Chittagong	Chittagong	East Bengal.
				2·29		3·89			74·73			2·8	Demagiri	Chittagong Hill Tracts	
79	4·0	7·40	7·57	1·35	8·10	2·43	+5·67	72·15	71·41	+0·74	2·3	2·3	Barrisal	Backergunge	
			10·79	1·62	12·02	3·25	+8·77	106·94	100·04	+6·90	2·5	2·5	Noakholly	Noakholly	
74	4·0	0·57	0·49	1·10	0·84	1·86	−1·02	46·91	52·46	−5·55	1·3	2·1	Furreedpore	Furreedpore	
75	3·7	1·42	0·75	1·12	1·61	1·99	−0·38	55·66	55·96	−0·30	2·5	2·1	Dacca	Dacca	
78	3·3	6·00		1·42		2·64			65·03			2·2	Commillah	Commillah	
79	4·7	4·85	2·34	1·19	3·05	2·22	+0·83	66·39	63·33	+3·06	1·6	2·0	Mymensingh	Mymensingh	
72	2·9	0·21	0·12	1·16	0·42	2·26	−1·84	42·70	54·22	−11·58	1·3	2·0	Bogra	Bogra	North Bengal.
76	3·1	1·52	0·36	1·11	0·67	1·91	−1·24	40·65	49·84	−9·19	2·0	1·9	Serajgunge	Pubna	
68	3·1	0·52	0·42	1·18	1·25	1·99	−0·74	44·12	50·65	−6·53	1·0	2·0	Rampore Beauleah	Rajshahye	
				1·33		2·20			51·96			2·1	Maldah	Maldah	
69	2·0	Nil	0·48	0·86	0·60	2·12	−1·52	45·21	55·14	−9·93	1·2	1·9	Dinagepore	Dinagepore	
72	1·6	0·01	0·05	0·98	0·03	2·60	−2·57	54·76	70·52	−15·76	0·3	1·5	Rungpore	Rungpore	
75	0·9	0·02	0·26	0·98	0·26	3·39	−3·13	84·91	107·99	−23·08	1·0	1·9	Julpigoree	Julpigoree; Cooch Behar	
93	8·0	0·15	1·07	1·31	1·09	3·60	−2·51	96·66	117·21	−20·55	2·3	1·3	Darjeeling	Darjeeling Hill Tracts	
60	1·4	Nil	0·04	0·96	0·04	1·93	−1·89	47·46	56·34	−8·88	0·2	1·0	Purneah	Purneah; North Bhagulpore	North Behar.
			Nil	1·54	Nil	2·21	−2·2	39·10	41·49	−2·39	0·0	1·4	Mozufferpore	Mozufferpore	
60	0	Nil	Nil	1·32	Nil	1·83	−1·83	38·48	43·24	−4·76	0·0	1·2	Durbhunga	Durbhunga	
56	1·0	Nil	Nil	1·51	Nil	2·81	−2·81	40·77	45·16	−4·39	0·0	1·2	Motihari	Chumparun	
55	0·3	Nil	Nil	1·42	Nil	3·23	−3·23	37·20	40·80	−3·60	0·0	1·1	Chupra	Sarun	
48	0	Nil											Deehree	Shahabad	South Behar.
50	0·3	Nil	Nil	1·25	0·43	2·02	−1·59	41·85	37·43	+4·42	0·0	1·0	Buxar		
57	0	Nil											Arrah		
49	1·4	Nil	Nil	1·31	0·01	1·81	−1·80	48·53	39·44	+9·09	0·0	1·0	Gya	Gya	
49	0·7	Nil	Nil	1·29	0·07	1·88	−1·81	46·10	39·02	+7·08	0·0	1·1	Bankipore	Patna	
55	0·3	Nil	Nil	1·28	0·28	1·78	−1·50	47·70	41·28	+6·42	0·0	1·3	Bhagulpore	South Bhagulpore; Monghyr	
52	0	Nil	0·15	1·19	0·46	2·00	−1·54	51·44	48·36	+3·08	0·3	1·6	Doomka	Sonthal Pergunnahs	
45	1·1	Nil	Nil	1·20	1·37	1·95	−0·58		48·21		0·0	1·5	Hazaribagh	Hazaribagh	Chota Nagpore.
49	0·7	Nil	Nil	1·07	Nil	1·54	−1·54	49·72	46·34	+3·38	0·0	1·4	Ranchi	Lohardugga	
			Nil	1·19	0·39	1·94	−1·55	45·91	44·65	+1·26	0·0	1·3		Manbhoom	
56	1·1	Drops	Nil	0·74	0·05	1·23	−1·18	39·84	48·66	−8·82	0·0	1·8	Chyebassa	Singbhoom	
93	7·9	2·83											Sibsagar	...	Assam.
78	8·1	0·05											Dhubri	...	
81	6·7	4·16											Silchar	..	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the sub-divisions
* Mean of 8 days.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 12th of October 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 6th October.	Sunday, 7th October.	Monday, 8th October.	Tuesday, 9th October.	Wednesday, 10th October.	Thursday, 11th October.	Friday, 12th October.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	0·39	......	......	......	......	......	......	1	0·39	1·03	2·77	31·97	41·96
		Khurdah ...	0·24	......	......	......	......	......	......	1	0·24	0·57	2·73	38·64	49·94
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	2·03	3·07	33·93	48·05
		False Point ...	0·33	......	......	......	......	......	......	1	0·33	2·17	3·88	50·06	54·17
		Gop ...	......	......	......	......	......	......	......	Nil	Nil	0·73	?		?
		Pipli ...											?		?
	Cuttack .	Jagatsingpore									0·05		2·95		41·98
		Banki ...	0·05	......	......	......	......	......	......	1	Nil	0·51	2·08	41·21	46·24
		Cuttack ...	0·03	......	......	......	......	......	......	1	0·03	1·41	2·20	49·86	51·12
		Kendrapara ...	0·15	......	......	......	......	......	......	1	0·15	0·55	2·14	43·08	47·45
		Jajpore ...	......	......	......	......	......	......	......	Nil	Nil	2·05	2·40	58·96	49·55
		Dharmsala ...											?		?
		Salipore ...											?		?
	Balasore ...	Chandbali ...	......	......	......	......	......	......	......	Nil	Nil	0·25	2·97	47·92	46·22
		Bhuddruck ...	......	......	......	......	......	......	......	Nil	Nil	1·21	1·97	46·44	47·30
		Sorah ...	......	......	......	......	......	......	......	Nil	Nil	1·51	2·62	46·41	47·10
		Balasore ..	......	......	......	......	......	......	......	Nil	Nil	2·08	2·63	56·55	52·24
		Jellasore ..											2·33		49·44
		Baripodah ...	......	......	......	......	......	......	......	Nil	Nil	0·67	2·42	52·65	50·92
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	0·08	0·05	......	......	......	......	......	2	0·13	0·93	2·20	52·27	53·75
		Saugor Island	0·88	0·46	......	......	......	......	......	2	1·34	2·01	2·74	51·16	58·75
		Tumlook ...	...	......	......	......	......	......	...	Nil	Nil	1·40	1·36	64·80	47·08
		Midnapore ...	0·79	......	......	......	......	......	......	1	0·79	2·45	1·76	62·85	44·68
		Ghattal ...	0·05	......	......	......	......	......	......	1	0·05	0·27	2·06	55·07	53·10
		Kukrahaty ...	......	0·23	......	......	......	......	......	1	0·23	2·96	?	64·89	?
		Heria ...	......	......	......	......	......	......	......	Nil	Nil	1·23	?	51·62	?
		Bhagwanpore	......	......	......	......	......	......	......	Nil	Nil	0·57	?	46·55	?
		Garbeta ...	......	......	......	......	......	......	......	Nil	Nil	0·22	?	64·16	?
	24-Pergunnahs	Diamond Harbour ...	......	0·28	......	......	......	......	......	1	0·28	3·51	2·02	56·49	54·13
		Canning Town	......	0·15	......	......	......	......	......	1	0·15	0·15	?	55·17	?
		Alipore Jail ...	0·66	0·83	......	......	......	......	......	2	1·49	2·52	1·76	59·65	51·50
		Barrackpore...	......	......	......	......	......	......	......	Nil	Nil	1·70	1·63	58·68	45·11
		Dum-Dum ...	0·07	1·82	......	......	......	......	......	2	1·89	2·86	1·73	62·30	47·97
		Barasat ...	......	0·34	......	......	......	......	......	1	0·34	1·70	1·82	62·90	45·33
		Buseerhat ...	......	1·04	......	......	......	......	......	1	1·04	1·04	1·76	50·70	50·78
	Howrah ...	Howrah ...	0·29	0·78	......	......	......	......	......	2	1·07	2·32	1·89	62·47	48·45
		Mohesreka (*Ooloberiah.*) ...	0·15	......	......	......	......	......	......	1	0·15	1·82	1·85	58·23	49·13
	Hooghly ...	Serampore ...	0·15	0·04	......	......	......	......	......	2	0·19	2·52	1·79	67·84	46·79
		Hooghly ...	0·08	......	......	......	......	......	......	1	0·08	3·51	1·87	64·81	44·94
		Jehanabad ...	0·06	......	......	......	......	......	......	1	0·06	0·06	1·99	69·52	51·72
	Burdwan ...	Culna ...	......	......	......	......	......	......	......	Nil	Nil	0·53	1·78	56·48	40·99
		Burdwan ...	0·24	0·28	......	......	......	......	......	2	0·52	0·59	1·38	43·69	44·45
		Cutwa ...	0·12	0·28	......	......	......	......	......	2	0·40	0·48	1·72	58·77	44·59
		Raneegunge...	......	......	......	......	......	......	......	Nil	Nil	0·11	1·66	56·40	46·11
		Mankur ...	......	......	......	......	......	......	......	Nil	Nil	0·11	?	41·80	?
	Bankoora ...	Bankoora ...	......	......	......	......	......	......	......	Nil	Nil	1·50	1·98	46·93	46·28
		Bishenpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·21	53·23	40·35
		Mahara ...	......	......	......	......	......	......	......	Nil	Nil	0·52	1·45	49·38	48·58
		Khatra ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·65	53·70	50·79
		Indas ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	40·63	?
		Kotalpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	46·84	?
		Anda ...	0·20	......	......	......	......	......	......	1	0·20	0·20	?	37·81	?
		Gangajalghati	......	......	......	......	......	......	......	Nil	Nil	1·17	?	55·21	?
		Raipore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	54·57	?
		Sonamukhi ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	44·35	?
	Beerbhoom ..	Bh. Soory ...	0·79	......	......	......	......	......	......	1	0·79	1·10	1·59	51·96	50·90
		Hetampore ...	0·06	......	......	......	......	......	......	1	0·06	0·47	1·55	45·63	52·23
		Rampore Haut	0·80	......	......	......	......	......	......	1	0·80	0·80	1·69	66·70	48·36
		Bolpore ...	1·80	......	......	......	......	......	......	1	1·80	3·00	?	59·23	?
		Murarai ...	0·66	......	......	......	......	......	......	1	0·66	1·06	?	?	?
	Nuddea ...	Ranaghat ...	......	......	......	......	......	......	......	Nil	Nil	1·26	1·71	58·06	43·86
		Kishnaghur ...	0·35	......	......	......	......	0·04	......	2	0·39	4·93	2·16	66·63	42·96
		Choondanga ...	......	1·00	......	......	......	......	......	1	1·00	1·72	1·93	51·08	47·61
		Meherpore ...	0·11	......	......	......	......	......	......	1	0·11	0·40	1·46	46·71	44·60
		Kooshtea ...	......	0·32	......	......	......	......	......	1	0·32	0·50	1·85	36·00	50·40
	Khoolna ...	Satkhira ...	0·04	0·50	......	......	......	......	......	2	0·54	0·54	1·95	37·53	51·09
		Bagirhat ...	0·79	......	......	......	......	......	......	1	0·79	1·94	1·82	49·97	56·48
		Khoolna ...	0·40	0·52	......	......	......	......	......	2	0·92	2·10	1·39	48·34	50·67
	Jessore ...	Narail ...	0·27	0·17	......	......	......	......	......	2	0·44	0·90	1·87	27·65	42·51
		Jessore ...	0·16	0·20	......	......	......	......	......	2	0·36	1·08	1·69	54·14	50·43
		Jhenidah ...	......	0·37	......	......	......	......	......	1	0·37	0·37	1·86	34·92	40·51
		Magoorah ...	1·10	0·04	......	......	......	......	......	2	1·14	2·76	1·58	41·37	45·42
		Bongong ..	......	1·85	......	......	......	......	......	1	1·85	3·05	2·14	47·80	48·21
	Moorshedabad	Kandi ...	...	0·30	......	......	......	......	......	1	0·30	0·67	1·83	49·14	47·00
		Berhampore...	0·63	......	......	......	......	......	......	1	0·63	0·63	1·98	39·02	47·84
		Lalbagh ...	1·91	0·03	......	......	......	......	......	2	1·94	2·32	2·10	43·19	47·71
		Azimgunge ...	1·37	0·15	......	......	......	......	......	2	1·52	2·02	2·48	?	48·05
		Jungipore ...	......	0·02	......	......	......	......	......	1	0·02	3·24	1·13	44·85	46·28
		Lalgola ...	......	0·40	......	......	......	......	......	1	0·40	0·50	1·77	50·20	47·69
		Jiagunge ...	1·53	0·07	......	......	......	......	......	2	1·60	2·60	?	45·60	?
		Akhrigunj ...	0·59	......	......	......	......	......	......	1	0·59	0·59	?	45·98	?
		Patkabari ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	42·24	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	6·10	2·16	......	......	......	......	......	2	8·26	10·01	3·31	146·44	135·54
		Chittagong ...	2·26	0·69	......	......	0·01						3·20		88·56
		Kutubdia ...	5·95	5·97									?		?
		Satkania ...	1·53	......	......	1·18							?		?
	Chittagong Hill Tracts.	Rangamati ...	1·43	3·10	......	0·07	......	......	......	3	4·60	5·02	4·28	74·76	77·85
		Ruma ...											3·49		70·63
	Backergunge	Patuakhally ..	4·74	3·27	......	......	......	......	......	2	8·01	8·01	2·31	85·60	80·98
		Parozepore ..	0·40	0·24	......	......	......	......	......	2	0·64	0·89	2·59	61·31	64·71
		Burrisal ...	1·62	5·62	......	......	......	......	0·52	3	7·76	8·97	1·90	65·15	62·32
		Bhola ...	10·55	3·30	......	......	......	......	......	2	13·85	14·50	2·91	74·49	76·47

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 12th of October 1888—*contd.*

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 6th October.	Sunday, 7th October.	Monday, 8th October.	Tuesday, 9th October.	Wednesday, 10th October.	Thursday, 11th October.	Friday, 12th October.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL —*concld.*		*Gournaddi* ...	1·00	0·52	...	...	...	...	...	2	1·52	2·53	?	48·28	?
		Bauphal ...	10·64	3·89	...	...	...	...	0·02	3	14·55	15·35	?	98·35	?
	Noakholly	Noakholly .	4·73	9·20	...	...	...	...	1·10	3	15·03	16·89	3·36	106·20	101·18
		Fenny ..	2·82	3·72	...	...	...	...	...	2	6·54	8·24	3·24	104·43	98·98
		Harishpore ...	2·98	2·75									?		?
		Ramganj ...	4·27	6·56	...	...	...	...	...	2	10·83	13·86	?	87·91	?
	Furreedpore	Madaripore ..	0·50	0·28	...	...	...	...	...	2	0·78	1·08	1·85	43·68	52·27
		Furreedpore ..	0·09	...	...	...	...	...	...	1	0·09	0·81	1·66	51·51	52·70
		Goalundo	0·32	...	...	...	...	...	...	1	0·32	0·63	2·06	43·68	49·28
	Dacca ...	Munshigunge	0·14	0·24	...	0·15	...	...	...	3	0·53	1·47	2·57	59·97	65·51
		Dacca .	0·85	0·34	...	...	...	...	...	2	1·18	1·54	2·02	51·88	55·43
		Naraingunge	0·17	0·27	...	0·48	...	...	...	3	0·92	2·28	1·83	61·89	55·92
		Manickgunge	0·06	0·20	...	...	...	...	...	2	0·26	1·03	1·54	45·38	46·59
		Joydebpore .	0·14	0·52	...	...	...	...	...	2	0·66	1·15	?	58·39	?
	Hill Tipperah	Agartola ..											2·35		56·82
	Tipperah ...	Comilla ...	1·52	4·18	...	...	...	...	0·53	3	6·23	6·78	2·34	68·56	71·98
		Chandpore .	1·12	1·92	...	...	...	...	...	2	3·04	3·78	3·56	56·55	78·44
		Brahmunbaria	0·73	1·50	...	...	...	...	...	2	2·23	3·40	2·39	68·34	57·11
		Ramchandrapore.	1·02	1·29	...	...	...	...	...	2	2·31	3·56	?	59·45	?
		Nasirnagar ...	1·50	3·00	...	...	...	...	...	2	4·50	5·80	?	58·14	?
		Daudkandi ..	6·94										?		?
		Kasba ...	0·85	1·40	...	...	...	...	...	2	2·25	2·25	?	55·88	?
		Laksham ...	2·06	8·82	...	...	...	...	0·11	3	10·99	12·01	?	77·67	?
	Mymensingh...	Kishoregunge	2·08	1·11	...	...	...	...	...	2	3·19	3·19	2·54	83·18	65·98
		Atia (*Tangail*)	2·00	...	...	...	...	...	...	1	2·00	4·70	2·11	87·84	51·81
		Mymensingh	0·68	2·40	...	...	...	...	...	2	3·08	3·04	2·03		70·01
		Jamalpore .	...	0·89	...	...	...	...	...	1	0·89	1·73	2·37	63·23	61·51
		Netrokona ..	1·34	1·20	...	...	...	...	...	2	2·54	2·54	1·51	77·50	67·25
		Subornakhally	0·50	0·50	...	...	...	...	...	2	1·00	2·72	?	59·77	?
		Durgapore ..											?		?
		Dewanganj ..	2·05	1·40	...	...	...	...	...	2	3·45	3·45	?	83·65	?
NORTH BENGAL.	Pubna	Pubna ...	0·05	0·32	...	...	...	...	...	2	0·37	0·37	2·17	39·08	50·35
		Seraigunge ...	0·08	0·26	...	...	...	...	...	2	0·34	1·57	1·65	41·55	49·06
	Bogra .	Sherpore ...	...	0·80	...	...	...	...	...	1	0·80	0·80	1·94	39·50	54·42
		Nowkhilla ...	0·31	0·20	...	...	...	...	...	2	0·51	0·51	2·72	48·35	51·30
		Bogra ..	...	0·27	...	...	...	...	...	1	0·27	0·27	1·83	40·37	57·61
		Panchbibi .	0·08	...	...	...	...	...	...	1	0·08	0·08	2·54	42·01	53·49
	Rajshahye	Beauleah .	0·44	...	...	...	...	...	...	1	0·44	2·10	1·80	30·85	49·65
		Nattore .	...	0·40	...	...	...	...	...	1	0·40	0·40	2·13	58·68	51·61
		Naogaon	...	0·15	...	...	...	...	...	1	0·15	0·15	?	35·76	?
		Lalpore ...	0·38	...	...	...	...	...	...	1	0·38	0·38	?	38·75	?
		Manda .	1·58	...	...	...	...	...	...	1	1·58	1·58	?	29·59	?
	Maldah ...	Maldah .											2·42		48·98
		Chanchal ...	0·59	0·59	...	...	...	...	...	2	1·18	1·18	1·99	31·91	54·91
		Gajol ...	...	0·24	...	...	...	...	...	1	0·24	0·24	?	36·09	?
		Sibganj ...	0·42	0·13	...	...	...	...	...	2	0·55	0·55	?	45·10	?
	Dinagepore ...	Mohadebpur	0·25	...	...	...	...	...	...	1	0·25	0·85	1·84	37·29	56·36
		Churamon ..	0·12	0·67	...	...	...	...	...	2	0·79	0·79	1·74	44·65	51·47
		Raigunge .	0·11	0·77	...	...	...	...	...	2	0·88	0·88	2·52	48·91	57·25
		Dinagepore	...	...	...	...	...	...	...	Nil	Nil	Nil	2·62	50·43	60·84
		Baloorghat	0·46	...	...	...	...	...	...	1	0·46	0·46	1·86	38·11	50·69
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	...	...	...	...	...	...	...	Nil	Nil	Nil	2·51	44·90	58·35
		Rungpore ...	0·02	0·02	...	...	...	...	0·06	3	0·10	0·10	2·25	50·05	70·30
		Kurigram ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·70	71·28	71·02
		Bagdogra (*Nilphamari*).	...	...	...	...	...	...	...	Nil	Nil	Nil	2·03	52·10	82·77
		Ulipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	52·87	?
	Julpigoree ...	Julpigoree ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·58	104·35	113·88
		Alipore Doar	0·22	...	...	...	...	...	...	1	0·22	0·22	?	79·50	?
		Fallacotta ...	1·18	...	...	...	...	...	...	1	1·18	1·18	?	88·00	?
		Debiganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59·93	?
	Cooch Behar..	Dinhatta ...	0·15	0·14	...	...	...	...	...	2	0·29	0·29	3·50	89·29	89·75
		Cooch Behar .	0·08	...	...	...	...	...	...	1	0·08	0·08	3·21	87·58	115·70
		Mickligunge...	0·22	...	...	...	...	...	...	1	0·22	0·22	2·47	73·86	105·35
		Matabhanga...	0·09	...	...	...	...	...	...	1	0·09	0·09	5·17	71·47	114·12
	Darjeeling Hill.	Buxa .	1·39	0·84	0·27	...	...	...	1·36	4	3·86	3·86	5·69	152·44	188·16
		Siliguri ...	...	0·30	...	...	...	...	...	1	0·30	0·30	3·91	79·40	101·80
		Darjeeling ...	...	...	...	...	0·03	...	0·02	2	0·05	0·08	2·54	86·67	103·27
		Kalimpong ..	...	0·03	...	...	...	...	0·02	2	0·05	0·11	2·24	67·88	80·94
NORTH BEHAR	Purneah ..	Kissengunge...	0·18	...	...	...	...	...	...	1	0·18	0·18	1·62	46·85	67·95
		Arrareah .											1·93		61·54
		Purneah .											2·07		59·05
		Gondwara ...											?		?
		Balarampore	1·53	0·15	...	...	...	...	...	2	1·68	1·68	?	?	?
		Manari ...	...	0·72									?		?
		Kaliaganj ...	0·10	1·00	...	...	...	...	...	2	1·10	1·10	?		?
	North Bhagulpore.	Maddipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·53	55·36	47·31
		Soopool ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·48	40·99	46·87
		Protabganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	37·78	?
	Durbhunga ..	Tajpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·13	39·30	41·36
		Durbhunga ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·57	35·31	44·08
		Madhubani ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·50	40·72	43·24
		Bahera ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50·70	?
		Roshera ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	42·46	?
	Mozufferpore	Sitamarhi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·83	31·66	41·49
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	Nil	1·91	40·67	43·13
		Hajipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·00	45·18	40·06
		Paru ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	36·32	?
		Manua ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	35·41	?
		Sheohar ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	28·27	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	23·16	?
	Chumparun...	Motihari ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·72	35·91	48·12
		Bettiah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·90	45·58	47·09
		Bagaha ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	52·00	?
		Burhurwa ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	38·06	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 12th of October 1888—*concld.*

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 6th October.	Sunday, 7th October.	Monday, 8th October.	Tuesday, 9th October.	Wednesday, 10th October.	Thursday, 11th October.	Friday, 12th October.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	4·83	36·30	40·47
		Sewan ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·50	40·33	41·40
		Chupra ..	......	......	......	......	......	......	......	Nil	Nil	Nil	2·36	35·24	38·47
SOUTH BEHAR	Shahabad ..	Buxar ...	......	......	......	......	......	......	......	Nil	Nil	0·80	1·94	40·74	35·99
		Dehree ..	......	......	......	......	......	......	......	Nil	Nil	1·36	1·97	42·92	36·12
		Bhaboouah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·90	39·57	38·49
		Sasseram .	......	......	......	......	......	......	......	Nil	Nil	Nil	2·25	41·07	38·16
		Arrah .	......	......	......	......	......	......	......	Nil	Nil	0·18	2·02	42·72	38·02
		Mohania ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	35·98	?
	Gya ..	Aurungabad ..	......	......	......	......	......	......	......	Nil	Nil	Nil	2·19	53·25	41·12
		Gya .	......	......	......	......	......	......	......	Nil	Nil	Nil	1·33	40·82	40·53
		Nowadah .	......	......	......	......	......	......	......	Nil	Nil	Nil	1·09	47·67	38·03
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	0·03	2·01	44·70	37·98
		Arwal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·22	?
		Daudnagar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	41·71	?
		Sherghati ...	......	......	......	......	......	......	......	Nil	Nil	0·62	?	32·64	?
		Rajauli ...											?		?
		Pakri Barawan ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·06	?
	Patna ...	Patna .	......	......	......	......	......	......	......	Nil	Nil	Nil	1·95	39·04	39·63
		Dinapore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	1·95	41·39	39·35
		Behar ..	......	......	......	......	......	......	......	Nil	Nil	0·28	1·80	51·05	39·52
		Barrh ..	......	......	......	......	......	......	......	Nil	Nil	Nil	183	52·57	37·63
		Bickram ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·00	?
		Hilsa ...	......	......	......	......	......	......	......	Nil	Nil	0·15	?	45·44	?
	Monghyr	Begoosarai ..	......	......	......	......	......	......	......	Nil	Nil	Nil	1·63	45·49	37·67
		Monghyr .	......	......	......	......	......	......	......	Nil	Nil	Nil	1·95	53·22	44·18
		Jamui ...	......	......	......	......	......	......	......	Nil	Nil	0·14	1·59	47·58	41·06
		Gogri ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·40	?
		Sheikhpura ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·18	?
	South Bhagulpore.	Bhagulpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·10	52·81	40·29
		Banka ..	......	......	......	......	......	......	......	Nil	Nil	1·25	1·72	37·96	42·18
		Kolgong ..	0·80	......	......	......	......	......	......	1	0·80	0·80	?	50·19	?
	Sonthal Pergunnahs	Rajmehal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·91	45·31	50·23
		Godda ...	......	......	......	......	......	......	......	Nil	Nil	0·70	1·82	47·16	43·33
		Pakour .	0·69	0·19	......	......	......	......	......	2	0·88	1·40	2·33	60·66	52·08
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	0·27	2·27	48·39	60·45
		Deoghur ...	......	......	......	......	......	......	......	Nil	Nil	0·03	1·66	50·21	46·69
		Jamtara ...	......	......	......	......	......	......	......	Nil	Nil	0·35	2·00	54·98	46·17
		Mohagama ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Nawanai ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	27·13	
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ...	......	......	......	......	......	......	......	Nil	Nil	3·45	1·66	54·59	45·16
		Hazaribagh ...	......	......	......	......	......	......	......	Nil	Nil	0·27	1·89	53·62	45·55
		Semtagurah ...	......	......	......	......	......	......	......	Nil	Nil	0·76	1·32		43·88
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	2·07	1·07	53·61	45·87
		Jhoomrah Hills	......	......	......	......	......	......	......	Nil	Nil	0·30	2·19	61·75	59·66
		Barhi ...	......	......	......	......	......	......	......	Nil	Nil	0·34	?	48·85	?
		Chatra ...	......	......	......	......	......	......	......	Nil	Nil	0·80	?	58·06	?
		Karagdeha ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	51·83	
		Kamghat ...	......	......	......	......		......	......	Nil	Nil	Nil	?	?	
	Lohardugga ...	Lohardugga ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·35	45·47	48·88
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·39	52·33	49·27
		Palamow ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·88	51·35	40·95
		Silli ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Balumat ...											?		?
		Hossainabad...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Garwah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	46·48	
	Singbhoom ...	Chyebassa ...	......	......	......	......	......	......	......	Nil	Nil	0·05	1·23	39·79	46·70
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Ghatsilla ...	......	......	......	......	......	......	......	Nil	Nil	0·28	?	54·11	?
		Baharagora...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·55	?
	Manbhoom ...	Purulia ...	......	......	......	......	......	......	......	Nil	Nil	0·05	1·76	55·77	46·76
		Gobindpore ...	......	......	......	......	......	......	......	Nil	Nil	0·73	2·12	35·25	42·73
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	1·20	?	52·75	?
		Barrabhoom...	......	......	......	......	......	......	......	Nil	Nil	0·09	?	50·51	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—...... Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 16th October* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 12TH OF OCTOBER 1888.

The meteorological changes of the past week have been very important. Not only has a largish depression advanced from the Bay over Bengal and given very unsettled weather to a very considerable part of the province, but following on the disappearance of this depression there has occurred a barometric increase, the distribution of which has been such as to entirely change the conditions prevailing over Bengal and the Bay, and to produce strongly marked cold weather conditions. So long as pressure is relatively low in the Gangetic Valley, and relatively high in the south of the Bay, air from the Bay passes into Bengal in the shape of southerly winds, and so long as these conditions exist, cyclonic storms and rain travelling in the same direction are always liable to occur; but as soon as these conditions of pressure are reversed, and readings become relatively high in Bengal and low over the Bay, the wind changes to north and north-east, and the probability of storms or rain becomes very small.

The report of the 6th showed that the cyclonic storm, noticed in last week's summary, was approaching the coast on a north-east course, and that at 10 A.M. the centre lay to the east of Saugor Island; northerly to north-westerly winds prevailed over the whole of the western districts of the province; easterly winds in East Bengal, and south-easterly winds at Chittagong and Commilla. The winds were rather strong at the head of the Bay. During the night of the 6th the storm crossed the coast, and at 10 A.M. on the 7th the centre lay a little to the north-east of Dacca. The wind had shifted to west over the greater part of the province, but an irregular cyclonic circulation existed around the centre of the storm. Heavy rain had fallen in its path. On the 8th there was a general recovery of pressure, and conditions assumed their normal monsoon appearance, but this condition did not hold, as pressure rose steadily at the more northern stations, and only slightly in the south; hence the area of highest pressure was gradually developed along the foot of the hills, and northerly and north-easterly winds slowly extended over the province with fine weather and a steadily decreasing humidity.

Pressure—Was almost everywhere below the normal average on the first day of the week. The defect was greatest (over 0·1 inch) at Saugor Island and Calcutta, but was considerable everywhere. On the 7th, owing to the passage inland of the storm noticed above, the relative distribution of pressure changed. In Orissa there was some little excess as compared with the normal, while the greatest defect, instead of being shown near Calcutta, was reported from the neighbourhood of Dacca and from Assam. On the 8th pressure was still below the normal average at most stations, but the defect was decreasing, and by the succeeding morning had been changed into an excess in the majority of districts. This excess became universal and large, and lasted until the close of the week.

Temperature.—The variations of temperature from the normal were irregular on the first day of the week, but during that day a general fall occurred, as the report of the following morning showed a large abnormal coolness throughout the whole province. During the 8th, 9th and 10th this defect of temperature held steadily, but at the close of the week the thermometer rose, and though the mean temperature did not exceed the normal average except at a few stations, the large defect previously noticed more or less disappeared. The greatest mean defect was in Orissa and South-West Bengal.

Winds—Were cyclonic at the commencement of the week. They subsequently became very variable, and at the close of the period there were strong indications of the setting in of the north-easterly current which is characteristic of the cold season.

Rainfall.—No rain fell during the week in Chutia Nagpur, and none of any importance in Behar or Orissa. Elsewhere rain was fairly general during the first two days of the week, but after the 7th the fall practically ceased, and only slight local showers were experienced. The heaviest rainfall occurred in the path of the storm, and the only district reporting an excess is East Bengal. The following are the more important falls:—

		6th instant.	7th instant.
		Inches.	Inches.
Cox's Bazar	...	6·10	2·16
Kutubdia	...	5·95	...
Rangamati	...	1·43	3·10
Patuakhally	...	4·74	3·27
Burrisal	...	1·62	5·62
Bhola	...	10·55	3·30
Bauphal	...	10·64	3·89
Noakholly	...	4·72	9·20
Fenny	...	2·82	3·72
Ramgunj	...	4·27	6·56

Humidity and cloud.—The humidity and cloud proportion were high at the commencement of the week, but with the disappearance of cyclonic conditions the sky cleared.

Weather.—In the more western districts of the province the weather has been fine throughout. In the east the first two days were very unsettled, but as the barometer rose, and the storm broke up, the weather improved, and by the close of the week had assumed a settled appearance, with seemingly a promise of an early cold weather.

The following table gives the summary of the temnerature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 12th of October 1886 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	93·4	69·9	89·1	74·1	81·1	—1·9	0·06	1·41	—1·35	0·2	2·2	—2·0	1·06	2·61	46·62	48·11
South-West Bengal ...	91·5	68·9	88·1	73·4	80·8	—1·9	0·55	1·03	—0·48	1·2	2·0	—0 8	1·50	1·81	53·07	48·40
East Bengal	90·6	71·8	86·2	74·5	80·4	—1·7	3·70	1·37	+2·33	2·0	2·2	—0·2	4·55	2·53	69·81	69·39
North Bengal	92·8	56·9	88·4	71·4	79·9	—1·4	0·34	1·04	—0·70	1·1	1·6	—0·5	0·49	2·46	52·25	67·50
North Behar	95·2	61 7	88·8	69·8	79·3	—1·2	0·01	1·29	—1·28	0·1	1·2	—1·1	0·01	2·32	41·45	46·71
South Behar	92·9	66·4	90·4	69·9	80·2	—0·5	0·03	1·25	—1·22	0·1	1·2	—1·1	0·27	1·90	47·35	41·53
Chutia Nagpur	86·5*	61·4*	84·2*	64·0*	74·1*	—1·8*	Nil	1·12	—1·12	0·0	1·4	—1·4	0·80	1·77	48·66	47·09
Assam	94·0	68·9	85·6	73·1	79·4	—·08										

* Chyeb ·sas not included.

METEOROLOGICAL OFFICE, BENGAL ; W. M DALLAS,
The 16th October 1888. *for Offg. Metgcl. Reporter to the Govt. of Bengal.*

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 7th to 13th October 1888.

Month.	Date.	Temperature.				Mean wet bulb.	Hygrometry.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1888.		°	°	°	°	°	Inches.	°	%	Inches.
October	7th ...	80·1	87·7	12·5	75·2	74·4	·776	71·6	75	1·22
"	8th ...	81·0	89·3	15·0	74·3	77·2	·888	75·5	84	......
"	9th ...	80·9	89·5	16·2	73·3	75·3	·803	72·6	76	......
"	10th ...	80·1	87·3	15·5	71·8	74·5	·780	71·8	76	......
"	11th ...	78·2	85·9	14·1	71·8	76·3	·882	75·4	91	......
"	12th ...	80·1	89·2	16·4	72·8	75·0	·801	72·6	78	......
"	13th ...	81·0	90·0	15·9	74·1	75·9	·827	73·5	78	......

				°
The mean temperature of the seven days	...	...	...	80·2
The extreme variation of temperature	...	...	...	18·2
The maximum temperature ...	...	...	...	90·0
				%
The mean relative humidity ...	...	...	...	80
				Inches.
The total fall of rain from 7th to 13th October 1888		...	...	1·22

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA ; W. L. DALLAS,
The 15th October 1888. *for Offg. Meteorological Reporter to the Govt. of India.*

Results of the Meteorological Observations taken at the Alipore Observatory from 7th to 13th October 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Oct.	7th	143·5	7·4	29·747	80·3	85·6	9·9	75·7	74·8	0·793	72·2	77	WNW and WSW ...	133	0·06	Chiefly cloudy, o, g, p, ⌓.
„	8th	143·5	11·1	·813	80·0	86·5	13·2	73·3	76·4	·861	74·7	85	WSW and calm ...	58	Nil	Chiefly clear, ⌓.
„	9th	145·4	10·4	·897	79·6	87·2	14·3	72·9	74·6	·795	72·3	80	WSW and calm ...	34	......	Chiefly clear, ⌓.
„	10th	140·5	10·2	·938	78·7	87·2	16·6	70·6	73·2	·748	70·5	78	NNW and calm ...	30	......	Chiefly clear, ⌓, ≡.
„	11th	140·5	6·0	·936	78·6	85·0	13·1	71·9	74·9	·821	73·3	84	Calm and variable...	7	......	Chiefly clear, ⌓, ≡.
„	12th	144·1	10·5	·893	79·7	86·6	13·7	72·9	75·0	·808	72·8	81	Calm and variable...	13	......	Chiefly clear, ⌓, ≡.
„	13th	150·4	10·4	·871	80·3	87·2	13·7	73·5	75·9	·835	73·8	82	WSW and calm ...	38	......	Chiefly clear, ⌓, ≡.

	Inches.
The mean pressure of the seven days	29·871
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·809
	Hours.
The total number of hours of bright sunshine	66·0
The maximum possible number of hours of sunshine	82·0
	°
The mean temperature of the seven days	79·6
The average temperature of the corresponding period for 24 years, S. G.'s Office	82·7
The extreme variation of temperature	16·6
The maximum temperature	87·2
	Miles.
The highest velocity of the wind in one hour	9
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	81
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	81
	Inches.
The total fall of rain from 7th to 13th October 1888	0·06
The average fall of the corresponding period for 24 years, S. G.'s Office ...	1·38
The total fall from 1st January to 13th October 1888	66·58
The average fall of the corresponding period for 24 years, S. G.'s Office ...	61·65

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, ⌓ dew, ≡ fog.

W. L. DALLAS,
for Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 15th October 1888.

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of July 1888 as compared with the same month of the previous year.

STAPLES.	1888.		1887.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	5,192	1,731	6,480	1,456	6,923	7,936	......	1,013
Cotton, raw	3	239	1	140	242	197	45	......
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles }	1,479	129	1,519	171	1,608	1,690	......	82
b.—In boxes }								
Grains—								
2.—Rice	1,889	3,574	1,203	1,692	5,463	2,895	2,568	......
5.—Others	886	3,582	826	4,488	4,468	5,314	......	846
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed }	5	215	23	488	220	510	......	290
b.—Undressed }								
Jute—								
1.—Raw—								
a.—Screwed	......	963	......	1,641	963	1,641	......	678
b.—Unscrewed	10	7,680	4	10,616	7,690	10,620	......	2,930
2.—Gunny bags and cloth	153	746	117	739	899	856	43	......
Metals—								
1.—Copper, unwrought }								
2.—Brass, unwrought }								
3.—Brass and copper, wrought }	766	230	1,121	121	996	1,242	......	246
4.—Iron }								
5.—Tin }								
6.—Others }								
Oils—								
2.—Kerosine	657	20	684	2	677	686	......	9
3.—Others	149	65	254	38	214	292	......	78
Oil-seeds—								
1.—Linseed }								
2.—Rape and mustard }								
3.—Til or gingelly }								
4.—Niger }	216	3,067	416	2,278	3,283	2,694	589	......
5.—Castor }								
6.—Poppy }								
7.—Others }								
Provisions—								
2.—Betel-nuts	54	263	58	111	317	169	148	......
3.—Others	367	633	186	427	1,000	613	387	......
Railway plant and rolling-stock	2,709	982	2,850	1,179	3,691	4,029	......	338
Salt	3,932	44	3,476	9	3,976	3,485	491	......
Sugar—								
1.—Drained	512	783	290	461	1,295	751	544	......
Tea—								
2.—Indian	1	1,277	......	1,892	1,278	1,892	......	614
Wood—								
1.—Timber	149	113	117	124	262	241	21	......
2.—Firewood	1,349	4	1,130	......	1,353	1,130	223	......
Tobacco	57	1,637	91	2,052	1,694	2,143	......	449
All other articles of merchandise—								
1.—Unmanufactured	3,298	1,399	1,885	1,485	4,687	3,370	1,317	......
Hay, straw, and wooloo (C. & S.-E. Sections)	687	4	491	7	691	498	193	......
Total	24,510	29,380	23,221	31,673	53,890	54,894	6,509	7,573

Comparative Statement of the principal commodities carried over the Eastern Bengal State Railway during the month of July 1888.

INCREASES.

	Tons.
VII (2) Rice ...	2,568
Despatches were made principally from Kooshtea and Kushia, but stations in the Eastern, Southern and Northern sections have contributed to swell the quantity. The market during this month was steady.	
XXI Oil-seeds ...	589
Due to requirement for shipment contributed by station from all sections but the southern.	
XIX (2) Betelnuts ...	148
Principally from the B. C. Flotilla stations *viâ* Khulna. There were increased despatches also from stations on the Northern and K. D. sections.	
XIX (3) Other provisions ...	387
Increased demand.	
Salt ...	491
Principally from Kumarkhali, Rajbari, Dacca, Sarughat, Dinagepur, Haldibari and Kaunia.	
XXVI Sugar ...	544
Due to requirement during July for shipment.	
XXIX (2) Firewood ...	223
Principally from Bansra and Canning.	
	Tons.
XXXIII (1) All other articles of merchandise ...	1,317
Increased demand.	
XXXIV Hay, straw, and wooloo ...	193
From the southern section principally from Hotar and Mogra Haut and Basaldanga, a favourable market in Calcutta.	

DECREASES.

	Tons.
I Coal ...	1,013
Reduced requirement for Railway flotilla and for the public generally.	
VII Grains other than wheat, rice and bagra ...	846
Principally from Goalundo, Allumdanga Poradoha and Khulna. Less demand and a dull market.	
VII Hides and skins ...	250
Due to demand for shipment being restricted to goat skins.	
X Jute, screwed ...	678
Do., unscrewed ...	2,930
Principally from Goalundo, Narainganj and Serajganj, due partly to delay in manufacturing to drought in the month of June.	
XIV Metals ...	246
Ordinary fluctuation of traffic.	
XX Railway plant and rolling-stock ...	338
Due to less requirement on accounts of renewals and construction purposes.	
XXVIII Tea ...	614

Calcutta, the 4th October 1888.

F. P. QUINLAN, *Examiner of Accounts.*

Weekly Return of Traffic Receipts on Indian Railways.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 29th *September* 1888, *on* 673 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	120,960	60,580 0 0	9,01,130 0	2,31,890 0 0	13,630 0 0	3,06,100 0 0	21,755	33,852	55,607
Or per mile of railway	180	90 0 0	1,339 0	344 0 0	†5 0 0	430 0 0	......	......	......
For previous 12 weeks of half-year	1,495,239	6,29,655 0 0	70,92,654 0	16,99,601 0 0	1,70,243 0 0	*24,99,499 0 0	274,088	294,569	568,657
Total for 13 weeks ...	1,616,199	6,90,235 0 0	79,93,784 0	19,31,491 0 0	1,83,873 0 0	28,05,599 0 0	295,843	328,421	624,264
Comparison.									
Total for corresponding week of previous year ...	‡137,869	47,492 0 0	5,72,047 0	1,49,853 0 0	8,582 0 0	2,05,927 0 0	22,140	23,286	45,426
Per mile of railway corresponding period of previous year ...	214	74 0 0	887 0	232 0 0	†1 0 0	307 0 0	......	......	......
Total to corresponding date of previous year	1,561,958	6,70,545 0 0	70,64,745 0	15,32,221 0 0	1,46,787 0 0	23,49,553 0 0	278,614	286,854	565,468

* Audited up to week ending 25th August 1888.
† Excluding steamer earnings.
‡ Includes 34,880 monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	2,05,927	319	673	3,06,100	455	645	41,96,557	250	674	*47,51,071	271	5,54,514	......

* Audited up to 25th August 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 29th *September* 1888, *on* 125 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	28,460	8,660 0 0	1,03,240 0	11,520 0 0	70 0 0	20,250 0 0	3,894	3,316	7,210
Or per mile of railway	188	69 0 0	826 0	92 0 0	1 0 0	162 0 0	......	......	... .
For previous 13 weeks of half-year	291,465	89,727 0 0	6,04,528 0	60,980 0 0	1,111 0 0	*1,51,818 0 0	45,843	23,759	*69,602
Total for 13 weeks ...	319,925	98,387 0 0	7,07,768 0	72,500 0 0	1,181 0 0	1,72,068 0 0	49,737	27,075	76,812
Comparison.									
Total for corresponding week of previous year	†26,394	6,989 0 0	47,938 0	5,277 0 0	75 0 0	12,241 0 0	3,733	1,477	5,21
Per mile of railway corresponding period of previous year ..	211	55 0 0	383 0	42 0 0	1 0 0	98 0 0	......	......	......
Total to corresponding date of previous year	325,811	1,05,184 0 0	5,61,484 0	53,341 0 0	1,572 0 0	1,60,097 0 0	48,862	22,928	71,790

* Audited up to week ending 25th August 1888.
† Includes 6,040 monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	12,241	98	125	20,250	162	125	3,36,083	103	125	*3,33,869	103	......	2,214

* Audited up to 25th August 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 29th September 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	No. of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	13,520	4,135 0 0	30,295 0	3,566 0 0	241 0 0	7,942 0 0	2,684	420	3,104
Or per mile of railway	157	48 0 0	352 0	41 0 0	3 0 0	92 0 0	......	......	......
For previous 12 weeks of half-year	155,737	46,108 0 0	1,69,823 0	11,170 0 0	3,245 0 0	*60,523 0 0	29,855	8,760	38,615
Total for 13 weeks ...	169,257	50,243 0 0	2,00,118 0	14,736 0 0	3,486 0 0	68,465 0 0	32,539	9,180	41,719
Comparison.									
Total for corresponding week of previous year	8,920	2,809 0 0	15,981 0	1,421 0 0	—326 0 0	3,964 0 0	2,639	325	2,964
Per mile of railway corresponding period of previous year	104	33 0 0	186 0	17 0 0	—4 0 0	46 0 0	......	......	......
Total to corresponding date of previous year	146,413	45,629 0 0	1,47,002 0	11,454 0 0	1,859 0 0	58,942 0 0	35,153	5,385	40,538

* Audited up to week ending 25th August 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	3,964	46	86	7,942	92	86	1,24,701	56	86	*1,33,330	60	8,629	......

* Audited up to week ending 25th August 1888.

ASSAM-BEHAR STATE RAILWAY.

(Purneah Section.)

Approximate Return of Traffic for week ended 29th September 1888, on 38 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,168	1,080 0 0	33,817 0	2,736 0 0	22 0 0	3,838 0 0	532	532	1,064
Or per mile of railway	83	28 0 0	890 0	72 0 0	1 0 0	101 0 0	......	......	......
For previous 12 weeks of half-year	36,238	11,611 0 0	2,65,926 0	19,611 0 0	361 0 0	*31,583 0 0	6,472	6,472	*12,944
Total for 13 weeks ...	39,406	12,691 0 0	2,99,743 0	22,347 0 0	383 0 0	35,421 0 0	7,004	7,004	14,008
Comparison.									
Total for corresponding week of previous year	2,432	729 0 0	4,297 0	349 0 0	17 0 0	1,095 0 0	546	546	1,092
Per mile of railway corresponding period of previous year...	62	19 0 0	110 0	9 0 0	......	28 0 0	......	......	......
Total to corresponding date of previous year	41,867	14,547 0 0	1,03,300 0	8,464 0 0	566 0 0	23,577 0 0	7,630	7,254	14,884

* Audited up to week ending 25th August 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 1st October 1887.			Receipts for week ending 29th September 1888.			Total receipts from 1st April 1887 to 1st October 1887.			Total receipts from 1st April 1888 to 29th September 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,095	28	38	3,838	101	39	63,654	63	39	*79,458	78	15,804	......

* Audited up to week ending 25th August 1888.

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CONTENTS.

KHOORDA FAMINE.

THE followings paper are published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secy. to the Govt. of Bengal.

Dated the 23rd October 1888.

No. 1856R, dated Cuttack, the 24th September, 1888.

From—C. F. WORSLEY, ESQ., Commissioner of the Orissa Division,

To—The Secretary to the Government of Bengal, Revenue Department.

Letter from Collector of Pooree to Commissioner, No. 1T—R, dated 20th—21st September, 1888.
Letter from Sub-divisional Officer, Khoorda, to Collector of Pooree, No. 562, dated 16th September, 1888.

IN accordance with paragraph 9 of the Bengal Famine Code, I have the honour to submit copies of reports, noted in margin, from the Collector of Pooree and the Sub-divisional Officer of Khoorda, on the administration of relief in Khoorda sub-division for the fortnight ending 15th September, 1888.

2. The most important items of information contained in the Collector's report are (1) that "there is at last a fair prospect of a permanent improvement in the condition of the poorer classes over the distressed area," and (2) that "in the current fortnight the whole of the Banpore Circle (No. V), with the exception perhaps of a small area near Kuhuri (about which the Collector is not yet quite satisfied), will be removed from the famine area." It is also satisfactory to find that the amount advanced for charitable relief in Khoorda sub-division during the fortnight under report had not exceeded Rs. 2,991-13-4.

I fully share the Collector's expectation that, if the weather continues favourable, the funds in hand, with some small additional grant for gratuitous relief, will prove sufficient for all requirements.

3. I think that what has been called "the lull in the distress" may fairly be considered a distinct diminution of distress, and that there is now no more ground than in ordinary years at this season to anticipate an early cessation of the rains.

4. I agree with the Collector that the storm of the 16th instant will be found to have done less harm than was at first apprehended. In Dhenkanal State, where the storm was probably as violent as in Khoorda, and where more than five inches of rain fell, the *beali* rice crop in many places was beaten down to the ground, but it was so nearly ready for cutting that the cultivators had no fears for its safety.

5. The local reports are not quite so full as usual, and it seems unnecessary for me to summarise their contents.

6. I notice with satisfaction that Maharani Suryamoni Patmahadie, of Pooree, has subscribed one thousand rupees in aid of relief measures.

No. 1TR, dated Camp Banpore, the 20th—21st September, 1888.

From—D. B. ALLEN, ESQ., Collector of Pooree,

To—The Commissioner of the Orissa Division.

I HAVE the honour to submit the report required by the Famine Code for the fortnight ending on the 15th instant, together with a copy of the Sub-divisional Officer's No. 562 of the 16th idem.

2. As I am in camp at a considerable distance from head-quarters, where former reports have been left, I fear that the information now given may not be sufficiently complete; but I will not delay the submission of this report, as I desire to give the earliest intimation possible that there is at last a fair prospect of a permanent improvement in the condition of the poorer classes over the distressed area. Mr. Taylor himself admits that there is a distinct lull in the distress; and though during the fortnight under report there has not been any change in the affected area, or in the numbers of relief circles and of officers in charge, yet an attempt has been made to restrict relief operations, and in the current fortnight the whole of the Banpore Circle, with the exception, perhaps, of a small area near Kuhuri (about which I am not yet quite satisfied) will be removed from the famine area.

3. Owing to the rains having provided additional field work, orders were issued to the Sub-divisional Officer early in the fortnight to cease giving advances, except in particular cases (which were to be specially reported), in all villages which had not lost at least half the crop last season, and to impress upon all the Circle Inspectors that gratuitous relief must now be given with the greatest caution and only in the most urgent cases. These orders were approved of by you, and on the 11th instant I paid a flying visit to Khoorda in order to impress on Mr. Taylor the necessity for restricting relief operations now as much as possible, even though we might be forced later in the season to resume them.

4. *General state of the affected tracts, &c.*—On the 13th, I started for a tour of inspection of all the relief circles, beginning with the South Chilka tracts, where I found that the Salt Inspector, Baboo Beni Madhub Mookerjee, who has been kindly assisting me in this area, had, as I anticipated from his weekly reports, been administering relief effectually and at the same time very economically. All this area, comprising the pergunnahs of Manikpatna, Satpara, Andhari, Parikud, Malud and Badgarkoot, is a difficult country to deal with. The soil for the most part is poor and sandy, and winter paddy, the staple crop of these pergunnahs, generally fails, more or less, over a great part of this area every year. Total or partial remissions of rent have been frequent and the residents have become utterly demoralised. Pointing to their stunted crops, they delight in posing as paupers, utterly ignoring numerous other sources of income, such as salt manufacture, fishing, carrying, &c. Of this area the crops look worst in Manikpatna, though backward all over the South Chilka tracts. The wages earned from salt manufacture and embankment works this year are at least Rs. 18,000 in excess of the amount so gained in the previous year, and there is but little actual distress; but relief measures on a very small scale must be still continued in the neighbourhood of Satpara for some time longer.

5. In Parikud, where there was a good harvest last year, prospects of a good outturn are promising. In Malud and Badgarcoot the crops, though backward, look still better, and the *mandia*, now ripe for harvest, is a splendid crop, but unfortunately it is grown over a comparatively small area. No relief measures have been undertaken, nor are they now required, over these three pergunnahs; but it must be remembered that, should the rains cease prematurely, the crops, which now look so promising, will never ripen, and there may be serious distress later in the season.

6. In the Banpore Circle there is a marked improvement. *Mandia* is being harvested, and the paddy, though backward, is very promising. Prices are still high, but relief operations may now be discontinued over nearly the whole of this circle.

7. So far I have been able to speak from the reports of local officers corroborated by my own observations. As regards the other circles, I must refer to Mr. Taylor's report, which is, I regret, not so full and complete as the previous ones submitted by him. The course of the recent storm was fortunately much narrower than he anticipated, and the injury done by the wind is confined to a far smaller area than he imagined, judging from the devastation caused in Khoorda and its immediate neighbourhood. On the whole the rain which accompanied the storm has done more good than harm, and prospects generally over the remaining circles are improved. Still the lull in the distress may be only temporary, and in any case there must be a continuance of relief operations, at any rate for the present, over all the circles except that of Banpore.

8. *Number of Public Works, &c.*—The works under this head are, I believe, the same as previously reported, except that the heading 3 (*d*) is no longer blank, the Rani of Pooree having, at my request, taken measures to relieve her poorer ryots in the assigned villages in Rameswar circle. Her relieving officer is acting under Mr. Taylor's instructions, and Rs. 900 are being expended on small works of improvement in this area.

9. I have received no figures showing the daily average numbers in receipt of gratuitous relief. As reported last fortnight, such relief has been (I believe) given judiciously, and not too liberally, except in the Banpore Circle. The recent diaries of the Inspector of the Banpore Circle appeared to show that he was becoming too lavish in the distribution of this form of relief. Immediate orders were issued by Mr. Taylor and reiterated by myself, and yesterday I inspected his office at Barkul, where he had been directed to meet me. There is, I fear, no doubt that in the early part of this month he ceased to follow implicitly the instructions given him; but his ill-judged generosity was checked by the Sub-divisional Officer as soon as it was discovered. Operations in this circle have now been closed. The Circle Inspector has been sent back to his regular work as income-tax assessor, and the Police Inspector, who did excellent work in the Western Circle, and is now in this neighbourhood, has been directed to watch the effect of these orders and to report if it be necessary to give any further relief in this circle.

10. As regards columns 5 and 6 of section 9 of the Famine Code, I can give no further information, nor have I with me in camp figures for column 7. South of the Chilka I found paddy selling at 32 katak seers (*i.e.* 42 ordinary seers) for the rupee, and coarse rice at 12 (*i.e.* 15¾ seers) for the rupee. The same figures were given me yesterday in the large market of Balugaon in this circle. Prices there were said to have risen within the last ten days, and that the rates in the early part of the fortnight under report were in 80 tola seers, paddy 52½, rice 18¾, and *mandia* 31½ seers for the rupee. However, I am not sure that the information furnished me was correct, as every attempt is now being made to get more money out of Government by exaggerating the present distress.

11. The figures for column 8 are, as regards Khoorda, given in paragraph 8 of Mr. Taylor's report. For Satpara I had advanced Rs. 400 up to the close of the previous fortnight, and of that only a balance of Rs. 35-13 was then left. During the present fortnight I gave a further advance of Rs. 100 to the Inspector, and the total expenditure was Rs. 135-13, chiefly on the two works at Nathapore and Satpara, which (by the way) I inspected on the 15th instant. The balance in hand was nil. A further sum of Rs. 200 has now been advanced.

12. As regards future requirements, I cannot speak with any certainty till I have completed the round of the relief circles and had further consultation with Mr. Taylor. Unless the paddy crop should, after all, prove a failure—and this is a possible contingency that I *must* dwell upon, for the rains have been so eccentric this year that it is impossible to forecast what may happen—the balance in hand for tuccavi advances, over Rs. 18,000, and that for improvement works, over Rs. 14,000, should prove sufficient. Mr. Taylor asks for Rs. 10,000 for gratuitous relief in addition to the Rs. 1,890 now in hand. Some additional grant for gratuitous relief must, I fear, be given; but I trust that we may be able to manage with less than the amount now asked for. However, I hope to speak more definitely after seeing Mr. Taylor at Khoorda, where I expect to arrive on the 25th instant.

13. Owing to the illness of Kumar Girindra Narain Deb, who has now been compelled to take leave on medical certificate, the regular work of the district has been getting into arrears in spite of all our efforts; but the arrival of an additional Deputy Magistrate and Collector, whose appointment to Pooree has, I am glad to see, been gazetted, and the further restriction of relief operations, which I now hope for, will I trust enable us to recover some of the ground that has been lost.

With apologies for the unsatisfactory character of this report.

No. 562, dated Khoorda, the 16th September 1888.

From—W. C. TAYLOR, ESQ., Sub-divisional Officer,
To—The Collector of Pooree.

I HAVE very little to say in reporting on distress for the first half of September beyond what was given in my report, No. 531 of the 11th instant.

2. So far as I can see, the distress is getting less pronounced: there is still a great deal of work in the fields, and we have a great many petty improvement works in progress.

3. There is, in fact, a distinct lull in distress, and the people are busy everywhere in trying to cultivate and repair the damage done to the paddy crop.

4. In some places *beali* and *panichi* dhan are being reaped, but the area under this early rice is very limited in Khoorda. Outside our boundaries in Cuttack and in the delta of the Pooree district, the *beali* crop is reported ready or nearly ready for the sickle, and to be a bumper crop. A severe storm or cyclone which occurred last night will, I fear, have done great damage to the *beali* and *panichi* dhan and to the *mandia*, *china*, and other millets now in ear and ripening, and also to the fields of sugarcane and *pán* gardens.

5. At Khoorda itself the damage done to trees is very great, and my own garden has been completely wrecked. Many trees in the forest and District Board bungalow compounds and on the roadsides have also been blown down. The storm was accompanied by upwards of six inches of rain, but as the greater part of the rice crop is still so small, this heavy rain will not do much harm in Khoorda, except to the very early paddy and *mandia*, above referred to. I have myself seen several fields of ripening *mandia* completely levelled and beaten down by last night's wind and rain.

6. As yet I have no information regarding the extent of the storm or the amount of damage done elsewhere; but both must be very great, as the wind blew furiously and in great gusts for fully six hours, commencing north of west at about 1-30 A.M., and subsiding from due south at 7 A.M.

7. From one place, eight miles off, I hear that the wind and rain were as heavy as at Khoorda, and for one to two miles off down the Cuttack road a number of telegraph posts have been blown down and communication by wire with Cuttack and Pooree interrupted. Heavy rain is also reported from Tangy, and an extraordinarily high flood in the Madagni river in Rameswar, which shows that the rain accompanying the storm has extended far to the west and south.

8. The following memorandum of receipts and expenditure will, I trust, be considered sufficient for this occasion, and I hope to report more fully and in detail at the close of the month.

The receipts and expenditure and balances under the several heads were for the fortnight as follows:—

(A)—*Receipts*—

	Rs.	A.	P.
Under Agriculturists' Loans Act	20,000	0	0
Balance of former sums .	5,146	8	0
Total	25,146	8	0
For khas mehal improvement works	5,000	0	0
Balance of last fortnight ...	4,032	11	4
Total	9,032	11	4
For gratuitous relief—			
Received during the fortnight	Nil.		
Balance from last fortnight	4,882	10	0
	4,882	10	0

B.—Expenditure—

	Rs.	A.	P.
a. Charitable relief—			
Advanced to Circle Inspectors	2,926	13	4
Advances for grain ...	50	0	0
Advance to weavers ...	15	0	0
Total	2,991	13	4
b. Works	3,313	3	6
d.(2) Advanced under Agriculturists' Loans Act to 2,098 ryots	6,796	0	0

C.—Balance in hand—

	Rs.	A.	P.
a. For gratuitous relief	1,890	12	8
b. For improvement works	5,719	7	10
(Besides Rs. 8,372 not as yet drawn).			
d.(2) For tuccavi advances	18,350	8	0

Required Rs. 10,000 for gratuitous relief.

9. I have much pleasure in reporting that Maharani Suryamoni Patmahadie of Pooree has subscribed one thousand rupees in aid of relief measures in the Khoorda villages of Rameswar and Tapang assigned to the temple of Jagannath. Of this sum Rs. 900 will be expended on small works of improvement, of which her agent has already started several, and Rs. 100 will be distributed in gratuitous relief.

10. As no figures have as yet been received from the circle officers of the numbers gratuitously relieved or employed on works, I do not think it necessary to delay this report.

No. 216 T.R., dated Darjeeling, the 18th October, 1888.

From—H. W. C. Carnduff, Esq., Under-Secretary to the Government of Bengal, Revenue Department,

To—The Commissioner of the Orissa Division.

I am directed to acknowledge the receipt of your letter, No. 1856R, dated the 24th September, 1888, submitting reports on the administration of relief to famine-stricken people in the Khoorda Sub-division for the fortnight ending the 15th September, 1888.

2. In reply, I am to say that the Lieutenant-Governor observes with satisfaction the diminution in the symptoms of immediate distress and the prospect of permanent improvement, should the rice crops now ripening prove adequate. Under the circumstances a very careful estimate of the result of the coming harvest, upon the success of which so much depends, should be made. His Honour remarks that the Collector's report does not contain all the information required by section 9 of the Famine Code, and the absence of returns of the number of persons receiving gratuitous relief, and of those employed on public works, is an omission which should in future be remedied. Arrangements should be made for the regular submission of such returns, which are required, not only for the information of Government, but for the guidance of the local officers themselves.

3. The thanks of the Lieutenant-Governor may be communicated to Maharani Suryamoni Patmahadie, of Pooree, for her generous subscription of Rs. 1,000 in aid of relief measures.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 20*th October* 1888.

	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*			
BURDWAN DIVN.	1	Burdwan	Oct. 20, '88	0·12	Weather—fine and cool. Rain is badly wanted throughout the district. Price of rice stationary.
	2	Bankoora	,, 20, '88	0·22	Weather—days hot, nights cool. No rain anywhere except at Bankoora. It is much needed for *amun* rice. Prices continue stationary.
	3	Birbhum	,, 20, '88	Nil	Cold weather setting in. The rice crop, which would have been bumper had there been good rain this month, is suffering severely for the want of it.
	4	Midnapur	,, 20, '88	Nil	Weather—dry, becoming daily cooler. The state of the flooded tracts much the same, but rain is necessary elsewhere to ensure good crops.
	5	Hugli	,, 20, '88	Nil	Weather—seasonable. More rain wanted, especially in Jehanabad, for maturing winter rice on high lands. If there is no more rain this month the crop will be short. *Rubbi* cultivation going on.
		Howrah	,, 22, '88	Nil	Weather—seasonable. State and prospects of crops fair.
		Central Districts.			
PRESIDENCY DIVN.	6	24-Perghs.	Oct. 23, '88	Nil	Weather—clear, cool and bright. Prospects of crops good in all sub-divisions except Diamond Harbour.
	7	Nuddea	,, 20, '88	0·61	Weather—mornings and nights cool. *Amun* prospects fair in Ranaghat and Chooadangah, generally poor elsewhere. Ploughing and sowing of *rubbi* crops going on.
	8	Khoolna	,, 20, '88	Nil	Weather—seasonable. Prospects of crops generally good; but *amun* rice on high lands wants more rain.
	9	Jessore	,, 20, '88	Nil	Weather—seasonable. *Amun* prospects good in all the sub-divisions except Bongong.
	10	Moorshedabad	,, 20, '88	Nil	Weather—bright and clear, nights cool. In the Sudder sub-division the prospects of *amun* are good, elsewhere it is suffering for want of rain. *Kalai* promising. *Rubbi* sowings commenced.
RAJSHAHYE DIVN.	11	Dinagepur	,, 20, '88	Nil	Weather—cold with powerful sun. No rain during the week. *Haimanti* paddy suffering for want of rain. If rain does not fall soon the crop will be destroyed in most places.
	12	Rajshahye	,, 20, '88	Nil	Weather—fair. Rain is urgently wanted for *amun* paddy which is withering Lands are being prepared for winter crops.
	13	Rungpur Kurigram	,, 20, '88 ...	0·06 1·15	Weather—clear and getting seasonably cold. The rainfall in the Kurigram sub-division has improved much the prospects of the winter rice. Rain much wanted in the Sudder and other sub-divisions. The tobacco plants are being transplanted.
	14	Bogra Sherpur	,, 20, '88 ...	Nil 0·40	Weather—seasonable. *Amun* on high lands has commenced to wither for want of rain. Rain fell in the south of the district on the 13th. Crops will suffer severely if drought continues.
	15	Pubna	,, 20, '88	Nil	Weather—fair and cool. *Amun dhan* and sugarcane seem better. Winter crops are still being sown. *Moog, mashkalai,* &c., are growing.
	16	Darjeeling	,, 20, '88	Nil	Weather—clear and cool in hills; rather warm in plains. Autumn rice is being harvested in hills, and *rubbi* sowings commenced; all crops flourishing. In plains winter rice benefitted by nearly 2 inches of rain, but still below average standard.
	17	Julpigoree	,, 20, '88	1·08	Weather—days rather hot, nights and mornings cool. Rain much wanted for *haimanti* paddy. Sugarcane coming into the market. Jute-steeping still going on in places. No change in the price of rice.
		Eastern Districts.			
DACCA DIVN.	18	Dacca	Oct. 20, '88	Nil	Weather—days hot and nights cool. *Asvini* paddy nearly harvested. Prospects of *amun* paddy good. Winter crops being sown.
	19	Furreedpur	,, 20, '88	Nil	Weather—fine and seasonable. Prospects of crops fair.
	20	Backergunge	,, 18, '88	0·52	Weather—seasonable. Prospects of crops good.
	21	Mymensingh	,, 19, '88	Nil	Weather—seasonable. Prospects of crops good.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		***Eastern Districts*—concld.**		
Chittagong Divn.	22	Chittagong ...	...	Report not received.
	23	Noakholly „ 19, '88 / Feni	1·10 / 0 19	Weather—seasonable. State of *amun* generally good, but some damage was done in *char* lands by rise of salt water as reported last week. Betelnuts and cocoanuts have generally been good.
	24	Tipperah „ 18, '88 / Brahmanbariah	0 58 / 0·12	Weather—seasonable Standing crops, specially *amun dhan*, thriving vigorously, and prospects promising. Harvesting of jute being still pushed on in Chandpur sub-division, while it has been over in almost all other parts of the district.
	25	Chittagong Hill Tracts. „ 17, '88	Nil	Fine bright weather; mornings and evenings distinctly chilly, and the cold weather fogs are beginning to show themselves. Harvesting of *jum* crops continues.
		Hill Tipperah „ 17, '88	Nil	Weather—hot. Tobacco and chillies being transplanted. Reaping of *jum* paddy finished. Cotton and *amun* doing well.
BEHAR.				
Patna Divn.	26	Patna „ 20, '88	Nil	Weather—nights and mornings cool, days hot and bright. There is a general clamour for rain and water, and a total failure of the rice crop is apprehended Fields are being prepared for *rubbi* cultivation, but with very little hope of a good crop if there be no rain shortly.
	27	Gya „ 20, '88	Nil	Weather—mornings cool and days hot. Paddy withered and scorched in uplands. Preparation of *rubbi* fields being retarded for want of moisture in the land. No sign of rain. Scarcity apprehended.
	28	Shahabad „ 20, '88	Nil	Weather—clear and bright; mornings and nights somewhat cold. Paddy suffering for want of rain except on canal-irrigated lands. *Rubbi* sowing continues. Prices falling except in Buxar.
	29	Durbhunga „ 20, '88	Nil	Weather—bright and hot, but daily decrease in temperature both in the night and in the mornings. With no rain there is a sensible rise in prices all round. The export of rice has ceased. Carts are returning empty from Nepal and North Bhagulpore. *Dhan* on the high lands withering and being cut for fodder and to make way for a cold-weather crop. Irrigation being actively carried on on the low lands. People in perfectly good condition at present, and no application for work being made Rain sadly required for the *rubbi* cultivation. Average prices of common rice from 12 to 14 seers to the rupee.
	30	Mozufferpur „ 20, '88	Nil	There have been a few clouds almost every day, but at nights weather has been clear and cool. The *bhadoi* harvest is over. The rice crop in the northern part of the district will be a very poor one even if there is rain; while in the extreme north and in high lands it has totally failed, being beyond all hope of recovery. In some places in the southern half of the district there may be a *ten annas* crop. Rain is required for the *rubbi* sowings. Prices rising. Rivers have very little water in them. Prospects gloomy.
	31	Sarun „ 20, '88	Nil	Weather—fair West wind prevailing. Mornings and evenings very cool. Rain urgently wanted for upland paddy and *rubbi* sowings. Moisture drying up owing to west wind. Irrigation is being resorted to where practicable. Prices rose rapidly during the past week, but have now declined a little. Anxiety is felt for crops on ground.
	32	Chumparun „ 20, '88	Nil	Weather—mornings and nights cool, but days hot. Paddy suffering seriously for want of rain; it is withering in several places. Preparation being made for *rubbi* sowings. If there be no rain shortly, the prospects of the present and the future crops will be very poor.
Bhagulpore Divn.	33	Monghyr „ 20, '88 / Jamui ...	Nil / 0 22	Weather—bright and seasonable. Rain absolutely required both for the *dhan* crops and *rubbi* sowings. Prices of food-grains increasing.
	34	Bhagulpur „ 20, '88 / Banka ...	Nil / 1·13	Weather—days warmer for the season; nights cool. Except in those parts of the Sudder and Banka sub-divisions where it rained lately, the prospects of paddy are not good. *Kalai* and *koorthee* are doing well. Rain much wanted. In some places irrigation is being resorted to.
	35	Purneah „ 20, '88	Nil	Regular cold season has apparently set in. Not a sign of the more rain that is so much wanted. Prospects of crops are decidedly bad, and may be expected to be worse if, as it seems, the rains are entirely over.
	36	Maldah „ 20, '88	Nil	Weather—fine and clear. Standing crops generally fair, but withering in some parts for want of rain. Common rice selling at an average of 19½ seers per rupee
	37	Sonthal Perghs. „ 20, '88 / Godda	Nil / 0 03	Weather—cold at night and hot in the day. Northerly winds. Prospects of low *dhan* good, higher *dhan* suffers from drought. Rain much wanted.
ORISSA.				
Orissa Divn.	38	Cuttack „ 19, '88	Nil	Weather—sunny and hot *Beali* reaped. *Sarad* crop on high lands urgently require water, and is likely to suffer if rain does not fall in a day or two. There has been a general cry for water, and rain is very urgently wanted. Price of rice rising.
	39	Pooree „ 17, '88	Nil	Weather—hot and dry. Rain very urgently required for *sarad* crops, there being no water in the paddy fields. Second weeding of *sarad* still going on. *Beali* and *mandia* being harvested. *Laghu* rice in ear. Common rice 19 seers 3 chittacks per rupee in the Sudder sub-division and 16 seers 7 chittacks in the Khoordah sub division.
	40	Balasore „ 19, '88	Nil	Weather—clear and getting colder. Rain urgently needed in every part of the district.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
Chota Nagpore Divn.	41	Hazaribagh Oct. 19, '88	Nil	Weather—bright and clear. Rice on high lands beginning to suffer. Prospects bad. Rain urgently wanted.
	42	Lohardugga „ 20, '88	Nil	Weather—clear and cool. Rain urgently wanted. Standing crops are suffering badly. Ploughing of *rubbi* land is retarded for want of rain. Prices as before.
	43	Singbhoom „ 19, '88	Nil	Weather—bright and cool. Mornings and evenings quite chilly. Rain is urgently wanted. The winter rice crop is beginning to suffer seriously, and the price of rice is going up.
	44	Manbhoom „ 20, '88	Nil	Weather—seasonable. Rain much wanted for the high land paddy, which is withering. Other crops are doing well.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 23rd October 1888.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS.													
			Air pressure.			Wind.		Temperature.								
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·972	29·984	—	W & WNW	137	91·6	17th Oct.	72·6	19th Oct.	89·3	75·3	83·4	—	81·6
		Gopalpore ...	29·952	30·002	+·081	Variable	102	89·7	18th "	74·8	19th "	88·2	77·4	82·9	+0·8	87·9
		False Point ...	29·969	29·991	+·061	W & NW	137	90·0	18th "	70·1	19th "	88·5	73·4	80·4	−1·0	85·8
	Cuttack	Cuttack ...	29·912	29·993	+·050	Calm	62?	93·9	14th "	69·8	19th "	93·0	74·8	83·9	+1·8	86·8
	Balasore	Balasore ...	29·937	29·997	+·057	W & NW	65·3	90·4	17th "	67·8	19th "	89·3	72·2	80·8	+0·1	83·5
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·961	29·987	+·057	Variable	175	89·7	17th & 18th Oct.	72·5	18th "	87·8	76·2	82·0	−0·7	83·2
	Midnapore	Midnapore ...	29·843	29·994	+·043	N & S	37·1	92·3	10th "	66·7	19th "	90·9	71·7	81·3	+0·5	85·6
	24-Pergunnahs ... ... Howrah ... ... Hooghly	Calcutta ...	29·962	29·984	+·054	Westerly	31	88·5	17th & 19th Oct.	69·8	18th "	87·6	73·4	80·5	−0·4	83·6
	Burdwan	Burdwan ...	29·889	29·990	+·054	Westerly	21·8	91·1	14th "	66·9	19th "	90·5	73·1	81·8	+0·1	83·9
	Bankoora	Bankoora ..	29·674	—	—	Calm & northerly	57·8	91·1	18th & 19th Oct.	67·6	18th "	90·4	71·7	81·1	—	85·9
	Beerbhoom ... ... West Burdwan	Raneegunge ...	29·648	29·958	+·051	S Westerly	37·6	92·0	14th "	65·0	19th "	91·1	70·9	81·0	−0·7	84·7
	Moorshedabad	Berhampore ...	29·918	29·986	+·055	WSW	45·2	90·6	17th "	68·2	18th "	88·0	73·1	81·0	−0·6	83·9
	Nuddea	Krishnaghur ...	29·933	30·008	+·102	N & WNW	540	89·8	14th to 17th Oct.	66·3	18th "	89·4	72·2	80·8	−0·5	84·8
	Jessore ... ... Khoolna	Jessore ...	29·955	29·988	+·058	Variable	41·2	91·8	18th "	69·5	19th "	90·0	74·1	82·0	+0·2	84·8
East Bengal.	Chittagong	Chittagong ...	29·899	29·980	+·040	N	27	88·6	18th "	68·0	19th "	87·6	72·8	80·2	+0·1	83·3
	Chittagong Hill Tracts	Demagiri ...						Observations not received.								
	Backergunge	Barrisal ...	29·963	29·975	+·059	Calm		89·3	17th Oct.	70·9	19th "	88·0	74·2	81·1	+0·2	85·6
	Noakholly	Noakholly ...	29·938	29·982	—	Calm	165·6	86·7	17th "	69·3	19th "	86·1	72·9	79·6	—	83·5
	Furreedpore	Furreedpore ...	29·958	29·993	+·067	N	23·7	86·5	13th to 19th Oct.	68·4	19th "	86·5	73·1	79·8	−1·0	84·2
	Dacca	Dacca ...	29·953	29·975	+·056	N & SE	33	90·1	15th & 17th Oct.	70·1	19th "	89·2	73·8	81·5	0	85·3
	Commillah	Commillah ...	29·937	29·972	+·057	NW & E	9·8	89·4	15th, 17th, 18th, 19th	67·8	19th "	89·0	72·4	80·7	−0·8	84·1
	Mymensingh	Mymensingh ...	29·925	29·983	+·057	NEasterly & Calm	50·9	88·8	16th & 17th Oct.	66·6	19th "	87·0	71·9	79·8	−1·3	82·8
North Bengal.	Bogra	Bogra ...	29·898	29·961	—	Variable	36·4	89·3	15th, 17th & 18th Oct.	65·9	19th "	88·7	71·6	80·2	—	84·9
	Pubna	Serajgunge ...	29·931	29·978	+·045	NE	31·4	89·6	18th "	65·8	19th "	88·7	70·9	79·8	−0·9	84·3
	Rajshahye	Rampore Beauleah.	29·913	29·984	+·063	SSW	64·5	89·8	15th "	66·7	19th "	88·7	72·9	80·8	+0·8	84·9
	Maldah	Maldah ...	29·886	—	—	NW	55·3	90·9	18th "	64·4	19th "	89·8	71·2	80·5	—	85·4
	Dinagepore	Dinagepore ...	29·855	29·976	+·059?	Variable	37·5	88·0	15th & 16th Oct.	60·2	16th "	*?	*?	*?	?	84·9
	Rungpore	Rungpore ...	29·856	29·982	+·012	NE	42·9	89·3	17th "	63·7	19th "	87·9	69·4	78·6	−1·6	82·6
	Julpigoree ... ... Cooch Behar	Julpigoree ...	29·695	29·986	−·017	SE	44·7	89·0	13th "	65·9	19th "	87·1	69·7	78·4	−0·1	81·3
	Darjeeling Hill Tracts ...	Darjeeling ...	23·060	—	−·028	Variable	103·9	63·6	17th "	46·2	19th "	61·5	50·5	56·0	+1·3	56·9
North Behar.	Purneah ... ... North Bhagulpore ...	Purneah ...	29·854	29·983	+·046	Variable	46·6	89·7	14th "	59·2	19th "	88·7	67·4	78·1	−1·8	82·0
	Mozufferpore	Mozufferpore						Observations suspended.								
	Durbhunga	Durbhunga ...	29·815	29·985	+·056	Easterly	56·6	87·4	15th & 17th Oct.	68·4	19th "	86·8	72·8	79·8	0	81·2
	Chumparun	Motihari ...	29·717	29·946	+·028	Calm	389?	95·8	13th "	61·8	17th "	91·1	65·4	78·3	+0·1	78·4
	Sarun	Chupra ...	29·768	29·964	+·037	W		89·5	14th "	65·3	19th "	87·1	70·7	78·9	−0·7	86·7
South Behar.	Shahabad	Dehree ...	29·620	29·977	+·041	SSW	154·1	92·8	16th "	66·5	19th "	91·4	68·4	79·9	+1·1	83·5
		Buxar ...	29·734	29·978	+·040	W	76·1	92·4	15th & 16th Oct.	63·4	19th "	91·2	66·3	79·8	−0·2	85·8
		Arrah ...	29·774	29·978	+·041	Variable	23·1	92·4	14th "	61·8	19th "	91·4	65·8	78·6	−1·2	83·6
	Gya	Gya ...	29·588	29·971	+·022	Calm	61·3	91·9	13th to 15th Oct.	63·7	18th & 19th Oct.	91·1	67·2	79·8	−1·0	82·0
	Patna	Bankipore ...	29·792	29·977	+·037	Calm & W	37·4	91·4	13th, 14th, 15th & 17th Oct.	64·8	19th "	90·9	69·7	80·3	−0·5	85·2
	South Bhagulpore ... Monghyr	Bhagulpore ...	29·802	29·965	+·043	N Westerly	42	90·2	15th "	68·0	19th "	89·1	70·1	79·6	−0·5	84·9
	Sonthal Pergunnahs ...	Doomka ...	29·471	—	—	Calm	23·5	90·6	15th "	61·0	19th "	89·3	69·3	79·3	—	84·7
Chota Nagpore.	Hazaribagh	Hazaribagh ...	27·974	29·983	+·057	N Westerly	127·2	87·0	16th "	62·8	18th & 19th Oct.	86·0	66·0	76·0	+0·6	81·4
	Lohardugga ... ... Maunbhoom	Ranchee ...	27·854	29·977	+·061	N Westerly	92·6	86·0	15th "	60·4	19th "	84·8	64·2	74·5	−1·1	81·0
	Singbhoom	Chyebassa ...														
[illegible]	...	Sibsagar ...	29·673	30·016	+·018	Variable	46·0	88·1	13th "	69·4	14th & 16th Oct.	86·4	71·1	78·8	+0·2	78·8
	...	Dhubri ...	29·875	29·994	+·052	Variable	91·8	88·2	18th "	68·8	19th "	86·4	71·7	79·1	−0·8	80·1
	...	Silchar ...	?	?	?	Calm	25·5	91·5	16th & 17th Oct.	69·3	19th "	89·8	71·2	80·6	−0·4	82·0

for the week ending Friday, the 19th of October 1888.

DISTRICT OBSERVATIONS.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
76	0	—	0·24	1·92	1·70	5·03	—3·33	39·87	49·46	—9·59	0·3	2·1	Pooree ...	Pooree	Orissa.
58	0·9	—	—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
66	2·9	0·97	—	—	—	—	—	—	—	—	—	—	False Point ..		
56	1·9	—	Nil	1·02	0·91	3·37	—2·46	49·56	47·90	+1·66	0·0	1·8	Cuttack ...	Cuttack	
74	2·4	—	0·01	1·34	1·12	3·83	—2·71	52·17	50·09	+2·08	0·1	1·9	Balasore ...	Balasore	
75	3·7	—	Nil	2·27	2·15	4·59	—2·44	54·88	57·82	—2·94	0·0	1·8	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
57	0·3	—	Nil	1·24	1·37	2·97	—1·60	62·30	49·22	+13·08	0·0	1·3	Midnapore ...	Midnapore	
64	1·9	—	0·01	1·26	2·11	3·07	—0·96	61·81	49·34	+12·47	0·1	1·3	Calcutta ..	24-Pergunnahs .. ... Howrah ... ... Hooghly	
61	0·7	0·12	0·04	1·24	0·58	2·87	—2·29	53·26	44·70	+8·56	0·3	1·2	Burdwan ..	Burdwan	
50	1·2	0·22	0·08	1·07	0·57	2·89	—2·32	51·42	50·37	+1·05	0·3	1·1	Bankoora ..	Bankoora	
54	1·4	—	0·04	1·10	0·66	2·72	—2·06	55·44	50·13	+5·31	0·3	1·0	Raneegunge ..	Beerbhoom ... ... West Burdwan ..	
66	1·0	—	Nil	1·81	1·66	3·69	—2·03	46·14	49·16	—3·02	0·0	1·4	Berhampore .	Moorshedabad	
61	2·0	0·54	0·12	1·23	1·82	3·05	—1·23	53·15	47·15	+6·00	0·2	1·2	Krishnaghur ..	Nuddea	
69	2·6	—	Nil	1·33	1·59	3·05	—1·46	43·51	50·72	—7·21	0·0	1·3	Jessore ..	Jessore .. .. Khoolna	
76	1·4	—	Nil	1·29	7·11	4·55	+2·56	125·77	108·30	+17·47	0·0	1·8	Chittagong ...	Chittagong	East Bengal.
			Nil	1·60	6·07	5·49	+0·58	72·06	76·33	—4·27	0·0	2·3	Demagiri ...	Chittagong Hill Tracts	
66	1·0	0·72	Nil	1·60	8·10	4·03	+4·07	72·15	73·01	—0·86	0·0	1·6	Barrisal ...	Backergunge	
72	2·1	0·02	0·05	1·86	12·07	5·11	+6·96	107·00	101·90	+6·90	0·3	1·7	Noakholly ..	Noakholly	
68	1·7	—	Nil	1·55	0·84	3·41	—2·57	46·91	54·01	—7·10	0·0	1·3	Furreedpore ..	Furreedpore .. .	
67	2·1	—	Nil	1·98	1·61	3·37	—1·76	55·66	57·34	—1·68	0·0	1·2	Dacca ...	Dacca	
71	2·1	—	0·03	1·46	3·54	4·10	—0·56	61·43	66·49	—5·06	0·3	1·3	Commillah ...	Commillah . ..	
74	2·9	—	Nil	1·76	3·05	3·98	+0·93	66·39	65·09	+1·30	0·0	1·4	Mymensingh ...	Mymensingh	
63	1·9	—	0·10	1·61	0·52	3·87	—3·35	42·80	55·83	—13·03	0·3	1·3	Bogra ...	Bogra	North Bengal.
66	1·7	—	Nil	1·50	0·67	3·41	—2·74	40·65	51·34	—10·69	0·0	1·2	Serajgunge ...	Pubna	
65	1·1	—	Nil	1·62	1·25	3·61	—2·36	44·12	52·27	—8·15	0·0	1·3	Rampore Beauleah	Rajshahye	
55	0·6	—	Nil	0·63	1·49	2·83	—1·34	39·64	52·59	—12·95	0·0	0·9	Maldah ...	Maldah	
64	0·9	—	Nil	1·18	0·60	3·30	—2·70	45·21	56·32	—11·11	0·0	1·0	Dinagepore ...	Dinagepore	
69	1·9	—	0·29	1·43	0·32	4·03	—3·71	55·05	71·95	—16·90	0·3	1·0	Rungpore ...	Rungpore	
74	0·3	0·48	0·83	1·24	1·09	4·63	—3·54	85·74	109·23	—23·49	1·8	1·5	Julpigoree ...	Julpigoree ... . Cooch Behar	
87	6·1	—		1·06		4·66			118·27			1·4	Darjeeling	Darjeeling Hill Tracts	
70	0·3	—	Nil	0·74	0·04	2·67	—2·63	47·46	57·08	—9·62	0·0	0·8	Purneah ...	Purneah . .. North Bhagulpore ..	North Behar.
			Nil	0·50	Nil	2·71	—2·71	39·10	41·99	—2·89	0·0	0·7	Mozufferpore ..	Mozufferpore	
66	0	—	Nil	0·46	Nil	2·29	—2·29	38·48	43·70	—5·22	0·0	0·6	Durbhunga ...	Durbhunga	
47	0	—	Nil	0·40	Nil	3·30	—3·30	40·77	45·65	—4·88	0·0	0·5	Motihari ...	Chumparun	
44	0·1	—	Nil	0·59	Nil	3·82	—3·82	37·20	41·39	—4·19	0·0	0·7	Chupra ...	Sarun	
48	0	—											Dehree ...		South Behar.
46	0	—	Nil	0·61	0·43	2·63	—2·20	41·85	38·04	+3·81	0·0	0·8	Buxar ...	Shahabad	
52	0	—											Arrah ..		
49	0	—	Nil	0·50	0·01	2·31	—2·30	45·52	39·04	+6·58	0·0	0·7	Gya ...	Gya	
52	0·1	—	Nil	0·51	0·07	2·39	—2·32	46·10	39·53	+6·57	0·0	0·9	Bankipore ...	Patna	
58	0·6	—	0·27	0·55	0·55	2·33	—1·78	47·97	41·83	+6·14	0·4	0·8	Bhagulpore ..	South Bhagulpore ... Monghyr	
57	1·4	—	0·01	0·90	0·47	2·90	—2·43	51·45	49·26	+2·19	0·1	1·2	Doomka ...	Sonthal Pergunnahs...	
38	0·1	—	Nil	0·70	1·37	2·65	—1·28	55·32	48·91	+6·41	0·0	1·2	Hazaribagh ...	Hazaribagh	Chota Nagpore.
46	1·9	—	Nil	0·52	Nil	2·06	—2·06	49·71	46·85	+2·86	0·0	1·1	Ranchi ...	Lohardugga	
			Nil	0·59	0·39	2·53	—2·14	45·91	45·24	+0·67	0·0	1·2		Manbhoom	
			Nil	0·55	0·05	1·78	—1·73	39·84	49·21	—9·37	0·0	1·5	Chyebassa ...	Singbhoom	
88	6·9	0·51											Sibsagar	... ..	Assam.
78	1·6	—											Dhubri	... ..	
77	4·7	—											Silchar	.....	

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 19th of October 1888

Meteorological division.	District.	Station.	Rainfall.							Total		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 13th October.	Sunday, 14th October.	Monday, 15th October.	Tuesday, 16th October.	Wednesday, 17th October.	Thursday, 18th October.	Friday, 19th October.	Number of rainy days.	Rainfall of week.				
Orissa ...	Pooree ..	Pooree ...	...	...	...	...	...	...	...	Nil	Nil	1·03	4·91	31·97	44·10
		Khurdah ...	...	...	...	...	...	...	...	Nil	Nil	0 57	4 46	38·64	51·68
		Banpur ..	...	...	...	...	...	...	...	Nil	Nil	2 23	3 09	33·18	41·30
		False Point ..	...	...	...	...	...	0·97	...	1	0 97	3 14	6 83	51·48	57·12
		Gop ..	...	...	...	...	...	...	...	Nil	Nil	0 73	?	?	?
		Pipli .	...	...	...	...	...	...	...	Nil	Nil		?		?
	Cuttack .	Jagatsingpore	...	...	...	...	...	...	...	Nil	Nil		4·30		42·72
		Banki	...	...	...	...	...	...	...	Nil	Nil	0·31	2·69	41·21	46·65
		Cuttack ...	...	...	...	...	...	...	...	Nil	Nil	1 41	3·10	49·86	52·02
		Kendrapara ...	...	...	...	...	...	...	...	Nil	Nil	0 55	3 52	43·09	49 83
		Jajpore ...	...	...	...	...	...	...	...	Nil	Nil	2·05	3·16	53·66	50 31
		Dharmsala ...	...	...	...	...	...	...	...	Nil	Nil	1·30	?	55 61	?
		Salipore ...	...	...	...	...	...	...	...	Nil	Nil		?		?
	Balasore ..	Chandbali ...	...	0·05	...	...	...	...	...	1	0 05	6·30	4·61	47 97	47·86
		Bhuddruck .	...	...	...	...	...	...	...	Nil	Nil	1 21	2 09	40 44	49·32
		Sorah ...	...	0 07	...	...	...	...	...	1	0·07	1·58	3·07	46 51	48·15
		Balasore ..	...	...	...	...	...	...	...	Nil	Nil	2·08	4 23	50·55	53·84
		Jellasore ..	...	...	...	...	...	...	...	Nil	Nil		3·86		50·97
		Baripodah ..	...	...	...	...	...	...	...	Nil	Nil	0·67	3 00	51·63	51·10
South-West Bengal.	Midnapore	Contai ..	...	...	...	...	...	...	...	Nil	Nil	0·93	4·57	52·27	56·12
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	2·01	5 45	51 16	61·86
		Tumlook ..	...	...	...	...	...	...	...	Nil	Nil	1 40	2 67	64·80	48·89
		Midnapore ...	...	...	...	...	...	...	...	Nil	Nil	2 43	3 09	62·85	46 01
		Ghattal ..	...	...	...	...	...	...	...	Nil	Nil	0 27	3 13	55 97	53 17
		Kukrahaty ..	...	...	...	...	...	...	...	Nil	Nil	2 96	?	64 89	?
		Hersa .	...	...	...	...	...	...	...	Nil	Nil	1 23	?	51·62	?
		Bhagwanpore	...	...	...	...	...	...	...	Nil	Nil	0 57	?	41·65	?
		Garbeta	...	...	...	...	...	...	...	Nil	Nil	0·22	?	64·16	?
	24-Pergunnahs	Diamond Harbour	...	...	...	...	...	...	...	Nil	Nil	3·51	3 35	56·49	55 46
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	0 15	?	55·17	?
		Alipore Jail .	...	...	...	...	...	...	...	Nil	Nil	2 52	2 93	59 65	52·67
		Barrackpore ..	...	...	...	...	...	...	...	Nil	Nil	1 70	2 69	58 68	46·14
		Dum-Dum	...	...	...	...	...	...	...	Nil	Nil	2 88	3 01	62·30	49·25
		Baraset ..	...	...	...	...	...	...	...	Nil	Nil	1 76	3 37	62 90	46·89
		Busserhat ...	...	...	...	...	...	...	...	Nil	Nil	1·04	3 24	50·70	53·26
	Howrah ..	Howrah ..	...	0 05	...	...	...	...	...	1	0 05	2 37	2 98	62 53	49 54
		Mohesreka ... (*Ooloberiah*.	...	...	...	...	...	...	...	Nil	Nil	1 82	2 89	58·23	50·17
	Hooghly	Serampore .	...	...	...	...	...	...	...	Nil	Nil	2·52	3·18	67·84	48·13
		Hooghly ..	...	...	...	...	...	...	...	Nil	Nil	3·51	3 01	64 81	46·10
		Jehanabad .	...	...	...	...	...	...	...	Nil	Nil	0 06	3 47	60·52	56·20
	Burdwan ..	Culna .	...	...	...	...	...	...	...	Nil	Nil	0·53	2·93	56·48	42·14
		Burdwan ..	...	...	0·12	...	...	...	...	1	0 12	0·71	2 70	43 81	45 83
		Cutwa	...	...	...	...	...	...	...	Nil	Nil	0 48	2 91	58·77	45 78
		Raneegunge	...	...	...	...	...	...	...	Nil	Nil	0·11	2 59	56·40	47 04
		Mankur ..	...	...	0 28	...	...	...	...	1	0 28	0·39	?	42 03	?
	Bankoora	Bankoora ..	...	...	0·22	...	...	...	...	1	0·22	1 72	3·04	47·15	49 34
		Bishenpore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	1·95	53 28	50 09
		Maliara ...	...	...	...	...	...	...	...	Nil	Nil	0 52	2·95	49·38	50 03
		Khatra ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3 63	53·70	51 77
		Indas ..	...	...	...	...	...	0·17	...	1	0 17	0 17	?	40·80	?
		Kotalpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46 84	?
		Anda ..	...	...	...	...	...	...	...	Nil	Nil	0·20	?	37 81	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	1·17	?	55 21	?
		Raipore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	54 57	?
		Sonamukhi ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	44·85	?
	Beerbhoom	Sh. Soory ..	...	...	...	...	...	...	...	Nil	Nil	1 10	2·61	51·96	51·92
		Hetampore .	...	0·14	...	...	...	...	...	1	0·14	0·61	2·43	45·79	53·10
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	0 80	3 26	66·70	49·26
		Bolpore	...	...	0 36	...	...	...	...	1	0·36	[illegible]	?	60·28	?
		Murarai .	...	...	...	...	...	...	...	Nil	Nil	1 06	?	?	?
	Nuddea ..	Ranaghat ..	...	...	...	...	...	...	...	Nil	Nil	1·26	2·67	58·06	44·82
		Kishnaghur ..	...	0·61	...	...	...	...	...	1	0·61	5·54	3·42	67·34	44·23
		Chooadanga	...	...	...	...	...	...	...	Nil	Nil	1·72	3 06	51·03	45·74
		Meherpore ..	...	...	...	...	...	...	...	Nil	Nil	0·40	2·38	46 71	45·72
		Kooshtea	...	...	...	...	...	...	...	Nil	Nil	0·50	3 53	36·00	52·08
	Khoolna ..	Satkhira .	...	...	...	...	...	...	...	Nil	Nil	0·54	3·22	37·52	52·46
		Bagirhat ...	...	...	...	...	...	...	...	Nil	Nil	1·94	4·05	49 97	58·71
		Khoolna .	...	...	...	...	...	...	...	Nil	Nil	2·10	2·65	48·34	51·93
	Jessore ...	Narail ..	...	...	...	...	...	...	...	Nil	Nil	0·90	1·97	37·85	43·11
		Jessore ..	...	...	...	...	...	...	...	Nil	Nil	1·08	2·77	54·14	51·51
		Jhenidah ..	...	...	...	...	...	...	...	Nil	Nil	0·37	3·49	34·92	51 07
		Magoorah ..	...	...	...	...	...	...	...	Nil	Nil	2·76	2·79	41·37	46·63
		Bongong ..	...	...	...	...	...	...	...	Nil	Nil	3·05	3 48	47·80	49·50
	Moorshedabad	Kandi ...	...	...	...	...	...	...	...	Nil	Nil	0·67	3·34	49 14	48·51
		Berhampore ..	...	...	...	...	...	...	...	Nil	Nil	0·63	3·48	50 02	49·74
		Lalbagh ..	...	...	...	...	...	...	...	Nil	Nil	2·32	3 93	43·19	49·57
		Azimgunge ...	...	...	...	...	...	...	...	Nil	Nil	2·63	4 12	?	49·69
		Jungipore ...	...	...	...	...	...	...	...	Nil	Nil	3·24	2 87	41·85	48·09
		Lalgola ...	...	...	...	...	...	...	...	Nil	Nil	0·50	3·98	50·20	49·90
		Jiagunge ...	...	...	...	...	...	...	...	Nil	Nil	2·60	?	45·60	?
		Akhrigunj ...	...	...	...	...	...	...	...	Nil	Nil	0·50	?	45·93	?
		Putkabari ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	42·24	?
East Bengal	Chittagong ...	Cox's Bazar ...	...	...	...	...	...	...	...	Nil	Nil	10·01	4·63	146·44	127 06
		Chittagong ...	...	...	...	...	...	...	...	Nil	Nil	4·24	4 20	115·49	89 62
		Kutubdia ...	...	...	...	...	...	...	...	Nil	Nil	12·05	?	116·09	?
		Satkanya ...	...	...	...	...	...	...	...	Nil	Nil		?		?
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	...	...	...	...	Nil	Nil	5·02	5·33	74·76	78·90
		Ruma ...	...	...	...	...	...	...	...	Nil	Nil	7·13	5·64	61·85	72 76
	Backergunge	Patuakhally ..	...	...	...	...	...	...	...	Nil	Nil	9·01	4·40	85·00	83·07
		Perozepore ..	...	...	...	...	...	...	...	Nil	Nil	0·49	4·17	61·21	66·20
		Burrisal ..	...	...	...	...	...	...	...	Nil	Nil	6·97	3·31	65·15	63·73
		Bhola ..	...	...	...	...	...	...	...	Nil	Nil	14·50	4 33	74·49	77·78

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 19th of October 1888—*contd.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 13th October.	Sunday, 14th October.	Monday, 15th October.	Tuesday, 16th October.	Wednesday, 17th October.	Thursday, 18th October.	Friday, 19th October.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—*concld.*		*Gournaddi* ...	......	......	......	......	......	......	......	Nil	Nil	2·53	?	48·28	?
		Bauphal ...	......	......	......	......	......	......	......	Nil	Nil	15·35	?	98·35	?
	Noakholly	Noakholly ..	0·19	......	......	......	......	......	......	1	0·19	17·08	5·30	107·09	103·17
		Fenny ..	......	......	......	......	......	......	......	Nil	Nil	8·24	4·92	104·48	100·61
		Harishpore ...	......	......								7·08	?	129·53	?
		Ramganj ...	......	......	......	......	......	......	......	Nil	Nil	13·86	?	87·91	?
	Furreedpore	Madaripore ..	......	......	......	......	......	......	......	Nil	Nil	1·08	3·29	44·06	53·71
		Furreedpore...	......	......	......	......	......	......	......	Nil	Nil	0·81	3·34	51·54	54·28
		Goalundo	......	......	......	......	......	......	......	Nil	Nil	0·63	3·60	48·68	50·83
	Dacca ...	Munshigunge	......	......	......	......	......	......	......	Nil	Nil	1·47	4·20	59·97	67·14
		Dacca ..	......	......	......	......	......	......	......	Nil	Nil	1·56	3·10	51·88	56·51
		Nfraingunge	......	......	......	......	......	......	......	Nil	Nil	2·28	3·24	61·89	57·33
		Manickgunge	......	......	......	......	......	......	......	Nil	Nil	1·03	2·95	45·38	48·00
		Joydebpore ..	......	......	......	......	......	......	......	Nil	Nil	1·05	?	58·39	?
	Hill Tipperah	Agartola ..	......							Nil	Nil	Nil	3·93	58·03	58·40
	Tipperah ...	Comilla ...	......	......	......	......	......	......	......	Nil	Nil	0·76	3·32	69·56	72·96
		Chandpore ..	......	......	......	......	......	......	......	Nil	Nil	3·78	5·54	56·55	75·42
		Brahmunberia	0·12	......	......	......	......	......	......	1	0·12	3·61	3·60	69·46	59·42
		Ramchandra-pore.	......	......	......	......	......	......	......	Nil	Nil	3·58	?	59·45	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	5·80	?	58·14	?
		Daudkandi ..	......									1·80	?	64·10	?
		Kasba ..	......	......	......	......	......	......	......	Nil	Nil	2·25	?	55·88	?
		Laksham ..	......	......	......	......	......	......	......	Nil	Nil	12·01	?	77·67	?
	Mymensingh...	Kishoregunge	......	......	......	......	......	......	......	Nil	Nil	3·19	4·41	83·18	67·83
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	4·70	3·87	87·84	53·57
		Mymensingh	......	......	......	......	......	......	......	Nil	Nil	3·04	4·33	67·83	71·71
		Jamalpore ...	......	......	......	......	......	......	......	Nil	Nil	1·73	4·03	63·23	63·27
		Netrokona ...	......	......	......	......	......	......	......	Nil	Nil	2·54	3·21	77·50	68·95
		Subornakhali	......	......	......	......	......	......	......	Nil	Nil	1·72	?	58·77	?
		Durgapore ...										7·70	?	107·01	?
		Dewanganj .	......	......	......	......	......	......	......	Nil	Nil	3·45	?	53·65	?
NORTH BENGAL.	Pubna	Pubna ...	......	......	......	......	......	......	......	Nil	Nil	0·37	3·54	39·08	51·93
		Seraigunge ...	......	......	......	......	......	......	......	Nil	Nil	1·57	3·27	41·55	50·68
	Bogra	Sherpore .	0·40	......	......	......	......	......	......	1	0·40	1·20	3·02	39·00	56·10
		Nowkhilla ...	......	......	......	......	......	......	......	Nil	Nil	0·51	4·63	48·35	53·21
		Bogra ..	......	......	......	......	......	......	......	Nil	Nil	0·27	3·17	40·37	58·93
		Panchbibi	......	......	......	......	......	......	......	Nil	Nil	0·08	4·04	42·61	54·99
	Rajshahye	Beauleah	......	......	......	......	......	......	......	Nil	Nil	2·10	3·65	30·85	51·44
		Nattore .	......	......	......	......	......	......	......	Nil	Nil	0·40	3·50	53·68	53·05
		Naogaon .	......	......	......	......	......	......	......	Nil	Nil	0·15	?	35·76	?
		Lalpore ...	......	......	......	......	......	......	......	Nil	Nil	0·38	?	33·75	?
		Manda .	......	......	......	......	......	......	......	Nil	Nil	1·53	?	29·59	?
	Maldah ...	Maldah .	......	......	......	......	......	......	......	Nil	Nil	1·80	3·22	47·36	49·78
		Chanchal ..	......	......	......	......	......	......	......	Nil	Nil	1·13	2·44	31·91	55·34
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	0·24	?	34·09	?
		Sibganj ...	......	......	......	......	......	......	......	Nil	Nil	0·55	?	45·10	?
	Dinagepore ..	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	0·95	3·04	37·29	57·56
		Churamon .	......	......	......	......	......	......	......	Nil	Nil	0·79	2·77	44·65	53·30
		Raigunge	......	......	......	......	......	......	......	Nil	Nil	0·88	3·64	48·91	58·87
		Dinagepore	......	......	......	......	......	......	......	Nil	Nil	Nil	3·44	56·43	61·65
		Baloorghat	......	......	......	......	......	......	......	Nil	Nil	0·46	3·58	35·11	53·41
		Thakoorgaon	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	Nil	4·17	44·90	60·01
		Rungpore ...	......	......	......	......	......	......	......	Nil	Nil	0·10	3·92	50·63	72·47
		Kurigram ..	1·15	......	......	......	......	......	......	1	1·15	1·15	3·79	78·43	73·11
		Bagdogra (*Nilphamari*)	......	......	......	......	......	......	......	Nil	Nil	Nil	4·23	53·16	84·07
		Ulipore ..	0·85	......	......	......	......	......	......	1	0·85	0·85	?	53·72	?
	Julpigoree ...	Julpigoree ..	0·36	0·72	......	......	......	......	......	2	1·08	1·08	3·58	103·43	114·83
		Alipore Doar	......	0·16	......	......	......	......	......	1	0·16	0·38	?	79·60	?
		Fallacotta ...	1·10	0·53	......	......	......	......	......	2	1·63	2·81	?	69·63	?
		Debiganj ..	......	......	......	......	......	......	......	Nil	Nil	Nil	?	59·93	?
	Cooch Behar ..	Dinhatta .	0·04	0·02	......	......	......	......	......	2	0·06	0·35	5·02	89·35	91·27
		Cooch Behar .	0·88	......	......	......	......	......	......	1	0·88	1·56	4·10	83·46	116·89
		Mickligunge..	0·11	0·28	......	......	......	......	......	2	0·39	0·61	3·69	74·25	106·57
		Matabhanga...	0·89	0·03	......	......	......	......	......	2	0·92	1·01	0·44	74·39	115·89
	Darjeeling Hill.	Buxa .	1·46	0·20	......	......	......	......	......	2	1·66	5·52	7·59	154·10	183·03
		Silliguri ..	1·25	0·69	......	......	......	......	......	2	1·94	2·24	4·05	81·34	102·34
		Darjeeling ...	......	......	......	......	......	......	......	Nil	Nil	0·03	3·72	86·87	104·45
		Kalimpong ..	......	......	......	......	......	......	......	Nil	Nil	0·11	3·65	67·88	81·35
	Purneah ..	Kissengunge...	......	......	......	......	......	......	......	Nil	Nil	0·18	2·43	46·88	63·76
		Arrareah ..	......	......	......	......	......	......	......	Nil	Nil	Nil	2·76	60·50	62·39
		Purneah .	......	......	......	......	......	......	......	Nil	Nil	Nil	2·46	43·01	59·41
		Gondwara ...	......	......	......	......	......	......	......	Nil	Nil		?		?
		Balarampore	......	......	......	......	......	......	......	Nil	Nil	1·68	?	?	.
		Matiari ...	......	......	......	......	......	......	......	Nil	Nil		?		?
		Kaliaganj ...	......	......	......	......	......	......	......	Nil	Nil	1·10	?	51·94	?
NORTH BEHAR	North Bhagulpore.	Maddepore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·50	55·36	48·28
		Soopool ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·18	40·99	46·37
		Protabganj ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·78	?
	Durbhunga	Tajpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·54	39·80	41·77
		Durbhunga ..	......	......	......	......	......	......	......	Nil	Nil	Nil	2·37	35·21	44·53
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·97	40·73	43·69
		Bahera ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	50·70	?
		Roshera ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	42·46	.
	Mozufferpore	Sitamarhi ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·34	31·61	42·00
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	Nil	2·31	40·07	45·53
		Hajipore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·49	45·13	40·65
		Paru ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	36·62	?
		Mahua ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	35·41	?
		Sruhar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	28·27	?
		Pupri ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	23·40	?
	Chumparun...	Motihari ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·19	35·91	41·59
		Bettiah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·40	43·53	47·59
		Bagaha ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	52·00	?
		Burharwa ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	88·08	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 19th of October, 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 13th October.	Sunday, 14th October.	Monday, 15th October.	Tuesday, 16th October.	Wednesday, 17th October.	Thursday, 18th October.	Friday, 19th October.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge ...	...	...		...	...	...	...	Nil	Nil	Nil	5 45	36·30	45·89
		Sewan ...	...	...		...	...	...	...	Nil	Nil	Nil	3·10	40·83	42·09
		Chuprah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·90	36·24	39·01
SOUTH BEHAR	Shahabad	Buxar ...	...	...	...	...	...	...	...	Nil	Nil	0 60	2 51	40·74	39·88
		Dehree ...	...		...	...	...	...	...	Nil	Nil	1·36	3·78	42·93	38·98
		Bhuboosah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·47	39 57	39·03
		Sasseram ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2 73	41·07	38 67
		Arrah ...	...	...	...	...	...	...	...	Nil	Nil	0·18	2·63	42 72	38·63
		Mohania ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	33·96	?
	Gya ..	Aurungabad ..	...	...	...	...	...		...	Nil	Nil	Nil	2·48	52 25	41·41
		Gya ..		...	...	...	...		...	Nil	Nil	Nil	1·67	49 83	40·67
		Nowadah ..		...	...	...	...	...	...	Nil	Nil	Nil	2 02	47·67	38·36
		Jehanabad .	...	...	...	...	...	...	...	Nil	Nil	0 03	3·05	44·70	39·02
		Arwal ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	37 22	?
		Daudnagar .	...	...	...	...	...		...	Nil	Nil	Nil	?	41·71	?
		Sherrghatti .	...	...	...	...	...	...	...	Nil	Nil	0·02	?	32·64	?
		Rajauli .											?		?
		Pakri Barawan	...	...	...	...	...	...	...	Nil	Nil	Nil	?	37·06	?
	Patna ..	Patna .	...	...	...	...	...	...	...	Nil	Nil	Nil	2·50	39·04	40·39
		Dinapore .	...	...		...	...	...	...	Nil	Nil	Nil	2·42	41·39	39·82
		Behar .	...	...	...	...	...	...	...	Nil	Nil	0 28	2·35	51·05	40·07
		Barra .	...	...	...	...	...	...	...	Nil	Nil	Nil	2 20	52·57	38·08
		Bickram ...	...	...	...	...		...	...	Nil	Nil	Nil	?	37·00	?
		Hilsa ...	...	...	...		...	...	...	Nil	Nil	0 15	?	45·44	?
	Monghyr	Begooserai ..	...					...		Nil	Nil	Nil	2·13	45·49	38·17
		Monghyr .	...	...		...	...	...		Nil	Nil	Nil	2·44	53·23	41·67
		Jamui ..	...	...	0·22	...	...	...	...	1	0·22	0 36	2 01	47·80	41·54
		Gogri ...	...	...	...	...	...	...		Nil	Nil	Nil	?	58 40	?
		Sheikpura ...		...		...	...	...		Nil	Nil	Nil	?	58 18	?
	South Bhagulpore.	Bhagulpore .		...		...	...			Nil	Nil	Nil	2·40	52·81	40·65
		Banka ..	...	...	1 13	...	...	...		1	1 13	2·38	2·61	39·09	43·07
		Kolgong ..	...		...	...	...	...		Nil	Nil	0 80		50 19	?
	Sonthal Pergunnahs	Rajmehal ..	...	...	...	...	...	...	...	Nil	Nil	Nil	2 48	45·31	50 80
		Godda .	...	0 03	...	...	...	...		1	0 03	0 73	2 37	47·19	48 88
		Pakour	...		...	...	...			Nil	Nil	1 40	3 5	61·66	54·10
		Nya Doomka	...	...	...	...	...			Nil	Nil	0 27	3 29	48·49	51·47
		Deoghur .	...	...	...	...	...		...	Nil	Nil	0 03	3·07	50·21	48·10
		Jamtara .	...	...		...	...		...	Nil	Nil	0 55	2 43	54 95	46·00
		Mohagama ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Nunihat ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	27·13	?
CHUTIA NAGPUR.	Hazaribagh ..	Pachamba (*Giridi*).	...	...	...	...	...	...	...	Nil	Nil	3 45	2 39	54·59	45·89
		Hazaribagh .	...		...	...	...	...	...	Nil	Nil	0·27	2·54	53·63	46·20
		Semtaguran .	...	...	...		...	...	...	Nil	Nil	0 76	2 90	53·21	44·48
		Mahudi Hills	...	...	...	...	...	...	...	Nil	Nil	2 07	2·36	53 61	46 56
		Jhoomrah Hills	...	...	...	...	...	...	...	Nil	Nil	0 40	3 02	61 75	60 49
		Barhi ...	...		...	...	...			Nil	Nil	0 34	?	48 85	?
		Chatra ..	...	...	...		...	...		Nil	Nil	0 80	?	55 66	?
		Karagdeha ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51·83	?
		Ramghur ..	...	...	...	...		...	...	Nil	Nil	Nil	?	?	?
	Lohardugga ...	Lohardugga ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1 90	45·47	40 43
		Ranchi ..	...	...	...	...	...	...	...	Nil	Nil	Nil	2 15	52·33	50·03
		Palamow	...	...	...	...	...	...	...	Nil	Nil	Nil	2 14	51·35	41·19
		Silli .	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Balumat ..	...	...	...	...			...	Nil	Nil	Nil	?	42·42	?
		Hosseinabad ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Garwah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46 46	?
	Singbhoom .	Chyebassa .	...	...		...	...	...	...	Nil	Nil	0 05	1·78	39·70	40·25
		Chukradharpore.	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Ghatsilla ...	...	...	...	...	...	...	...	Nil	Nil	0 28	?	54·11	?
		Baharagura .	...	...	...	...	...	...	...	Nil	Nil	Nil	?	58·55	?
	Manbhoom ...	Purulia .	...	...	...	...	...	...	...	Nil	Nil	0·05	2·33	55·77	47·88
		Gobindpore .	...	...		...		...	...	Nil	Nil	0·73	2 75	35 25	43·33
		Raghunathpore.	...	...	...	...	...	...	...	Nil	Nil	1 20	?	52·75	?
		Barrabhoom	...	...	...	...	...	...	...	Nil	Nil	0·09	?	50·51	?
		Jhalda ...											?		?
		Chas ...											?		?

Explanation.—... indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 23*rd October* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 19TH OF OCTOBER 1888.

THE most remarkable feature about the weather of the past week has been its general quietness and its remarkable coolness at the close. Slightly unsettled conditions prevailed over a limited area over and in the neighbourhood of the hills during the first two days, but these conditions quickly disappeared, and after the 14th, throughout the whole province, fine, bright and in places cool weather prevailed. The pressure and wind conditions have not exactly coincided with the average, pressure having been relatively lower over the eastern portion of the province, Assam and the Eastern Peninsula, than is normally the case; while the reports of the India Meteorological Department show that abnormally high pressures have been reported from the Indian Peninsula, hence the barometric gradient has been for northerly winds all over the province, instead of, as is normally the case, for north-easterly winds in the east and north-westerly winds in the west. This unusual direction of the wind has been accompanied with high pressures, a low humidity, and at the close of the week with a low temperature. It is hence fair to assume that it was more or less a descending current largely derived from the hills to the north, and that the dry weather which has prevailed is due to this cause. From a consideration of the general excessive pressure which prevails, as well as from its distribution and the accompanying winds, it would appear that cold weather conditions are now firmly established over this part of India. Hence the centre of possible disturbance has been transferred from the north to the south of the Bay, and unless, owing to a most unusual change of conditions, this should be reversed, fine settled conditions should now prevail over Bengal. The rainfall and deficient pressures which occurred over and near the hills at the beginning of the week were not improbably accompanied with snow in the interior, a phenomenon which is usually followed by an outset of cool, dry air from the hills, and a brisk fall of temperature.

Pressure.—At the beginning of the week pressure was above the normal average at almost all stations, but the excess was very much less than it had been in the previous week, and at Darjeeling and Rungpore the barometric reading was below the normal. On the 14th there occurred a brisk recovery, which held during the following day. On the 16th the barometer again fell, and the excess of pressure over the normal was again slightly reduced. The reports of the 17th and 18th showed a continuance of the fall, while on the 19th there was another general and brisk recovery. Throughout the whole week the oscillations of pressure have been general and fairly uniform, and only on the 13th has the barometer at any station showed a pressure below the normal pressure of the time of year; on all other occasions there has been an excess, which has varied in amount according to the upward or downward oscillation in progress at the time. These general oscillations of pressure, if slight, are seldom accompanied with unsettled or changeable weather, which at this season of the year is usually associated with either a long-continued oscillation, or irregular barometric changes.

Temperature.—On the 13th the variation of temperature from the mean were irregular, between the 14th and 17th there was a more or less general excess; while on the 18th there occurred a brisk fall, and the reports of that and the following day exhibited a large abnormal coolness. The excess at the commencement and defect at the close of the week to a large extent balanced, and the final variations of the week exhibit only a slight general deficiency.

Winds.—Have been generally light. At first there was great variability in the general direction, but subsequently the direction became generally northerly

Humidity and cloud.—Humidity has been generally low, and the cloud proportion on the whole very slight.

Rainfall.—At the great majority of stations there has been no rain, and in those places where it has fallen, the amount has been light and greatly below the average of the week.

The concluding table shows that no rain whatever fell in North Behar or Chutia Nagpur, and that the mean fall in all the other districts except North Bengal was less than one-tenth of an inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 19th of October 1888 :—

Meteorological Divisions.	Temperature						Rainfall									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	93·9	67·8	89·7	74·4	82·1	+0·4	0·07	1·39	—1·32	0·2	1·7	—1·5	1·13	4·00	46·09	49·50
South-West Bengal ...	92·3	65·0	89·0	72·9	81·3	—0·3	0·02	1·37	—1·35	0·1	1·3	—1·2	1·52	3·18	53·09	49·77
East Bengal	90·1	66·6	88·0	73·0	80·5	—0·5	0·01	1·57	—1·56	0·1	1·5	—1·4	4·56	4·10	69·82	70·96
North Bengal	90·9	60·2	88·5	71·0	79·7	—0·5	0·20	1·32	—1·12	0·5	1·3	—0·8	0·09	3·78	52·45	68·83
North Behar ...	95·8	59·2	88·4	69·1	78·8	—0·6	Nil	0·58	—0·58	0·0	1·0	—1·0	0·01	2·90	41·45	47·29
South Behar	92·4	61·0	90·5	68·4	79·5	—0·7	0·06	0·64	—0·58	0·1	0·9	—0·8	0·33	2·54	37·41	42·17
Chutia Nagpur	87·0*	61·4*	85·4*	65·1*	75·3*	—0·2*	Nil	0·61	0·61	0·0	1·1	—1·1	0·80	2·38	48·06	47·70
Assam	91·5	68·8	87·6	71·3	79·5	—0·2										

* Chyebassa not included.

Meteorological Office, Bengal;
The 23rd October 1888.

W. L. Dallas,
for Offg. Metycl. Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 14th to 20th October 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Hygrometry. Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
October	14th ...	81·3	89·1	14·0	75·1	76·8	·862	74·7	81	......
,, ...	15th ...	80·7	89·0	13·8	75·2	77·1	·884	75·5	85	......
,, ...	16th ..	82·9	90·0	14·7	75·3	78·1	·893	75·8	83	......
,, ...	17th ...	82·2	90·0	15·2	74·8	75·8	·806	72·7	73	......
,, ...	18th ...	79·5	90·2	19·9	70·3	73·0	·726	69·7	72	......
,, ...	19th ...	79·9	89·9	17·9	72·0	71·3	·653	66·6	64	......
,, ...	20th ...	78·2	90·0	22·1	67·9	70·5	·644	66·2	67	......

	°
The mean temperature of the seven days	80·7
The extreme variation of temperature	22·3
The maximum temperature	90·2
	%
The mean relative humidity	75
	Inches.
The total fall of rain from 14th to 20th October 1888	Nil

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Meteorological Office, India;
The 22nd October 1888.

W. L. Dallas,
for Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 14th to 20th October 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Oct.	14th	148·7	8·6	29·9[illegible]7	80·7	87·6	13·1	74·5	77·0	0·880	75·4	84	WSW and calm ...	25	Nil	Chiefly clear, ⌓, ≡
„	15th	145·8	6·8	·935	80·9	87·5	12·5	75·0	77·1	·880	75·4	84	NNE and calm ...	20	......	Chiefly clear, ≡, ⌓.
„	16th	147·6	10·0	·921	81·7	88·6	13·4	75·2	77·0	·869	75·0	81	ENE, N and calm ...	45	......	Chiefly clear, ≡, ⌓.
„	17th	141·0	10·5	·878	80·3	88·2	14·0	74·2	74·6	·785	72·0	77	NNW and calm ..	42	......	Chiefly clear, ⌓.
„	18th	142·7	10·7	·852	78·2	88·[illegible]	18·4	69·9	71·6	·689	68·1	73	W and calm ...	33	......	Chiefly clear, ⌓.
„	19th	143·6	10·7	·892	77·8	87·7	16·9	70·8	70·6	·653	66·6	71	W by S and N by E	25	......	Clear, ≡, ⌓.
„	20th	14[illegible]·7	10·8	·911	77·1	86·5	19·1	67·4	69·2	·608	64·5	65	WSW and NW ...	33	......	Clear, ≡, ⌓.

	Inches.
The mean pressure of the seven days	29·899
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·859
	Hours.
The total number of hours of bright sunshine	68·1
The maximum possible number of hours of sunshine	80·9
	°
The mean temperature of the seven days	79·5
The average temperature of the corresponding period for 24 years, S. G.'s Office	82·0
The extreme variation of temperature	21·2
The maximum temperature	88·6
	Miles.
The highest velocity of the wind in one hour	8
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	76
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	77
	Inches.
The total fall of rain from 14th to 20th October 1888	Nil
The average fall of the corresponding period for 24 years, S. G.'s Office ...	0·85
The total fall from 1st January to 20th October 1888	66·58
The average fall of the corresponding period for 24 years, S. G.'s Office ...	62·50

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h., 10h., 16h., and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

⌓ dew, ≡ fog.

W. L. Dallas,
for Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 22nd October 1888.

MEMORANDUM.

THE returns of the principal Municipalities in Bengal, for the week ending 29th September 1888, disclose the following particulars:—

1. That births and deaths were recorded in these Municipalities at the rates, respectively, of 25·8 and 34·6 per 1,000 of population, as opposed to 20·6 and 29·3 per 1,000 in the preceding week, indicating a very considerable advance in the registration of both.

2. That they were registered in the highest proportions by the following Municipalities:—

Births.	Ratio per mille	*Deaths.*	Ratio per mille.
Naraingani	53·8	Gya	105·9
Monghyr	50·6	Arrah	53 8
Puri	46·2	Serampore	53·0
Darjiling	45·6	Bhagulpore	50·7
Bhagulpore	43·4	Suburbs of Calcutta	43·6
Serampore	41·2	Monghyr	39·8
Durbhanga	37·8	Bali	38·6
Gya	34·2	Durbhanga	38·5
Mozufferpore	34·1	Utterpara	37·8
Arrah	32·3	Chupra	32·2

3. That the mortality from the principal diseases stood as follows:—

	Ratio per mille during the weeks ending—	
	29th September 1888.	22nd September 1888.
Cholera	7·1	6·1
Small-pox	·03	·1
Fever	13·8	10·6
Bowel-complaints	3·5	3·5
Injury	·5	·7
Other causes	9·6	8·3

indicating that, in comparison with the preceding week, there was an increase of mortality from all the diseases excepting small-pox, bowel-complaints and injury.

4. That the following Municipalities suffered pre-eminently from cholera, fever, bowel-complaints and the maladies grouped under the head of "Other causes," the rest of the diseases above named not demanding notice:—

Cholera.	Ratio per mille.	*Fever.*	Ratio per mille.	*Bowel-complaints.*	Ratio per mille.	*Other causes.*	Ratio per mille.
Gya ...	36·2	Gya ...	44·4	Serampore ...	11·8	Serampore ...	27·5
Arrah ...	20 3	Arrah ...	25·1			Bhagulpore ...	21·7
Monghyr ...	13 6	Bali ...	21 1			Gya ...	19·1
Chupra ...	9·8					Suburbs of Calcutta	14 0
Suburbs of Calcutta	7·9					Mozufferpore ...	12·2
Bhagulpore ...	7·2					Durbhanga ...	11·8
Midnapore ...	6 2					Chupra ...	11·7
Howrah ...	5·2						
Patna ...	4·9						
Durbhanga ...	3 1						

5. That under the heads of *Sex*, *Class* and *Age*, the mortality stood as follows:—

According to Sex.	Ratio per mille.	*According to Class.*	Ratio per mille.	*According to Age.*	Ratio per mille.
Males	36·8	Christians	21·7	Under 1 year ...	252·1
Females	32·1	Hindus	38·3	1 and under 5 years ...	48·8
Ratio of male deaths to every 100 female deaths	130	Mahomedans ...	26·5	5 " 10 " ...	18·6
		Budhists	24 2	10 " 15 " ...	14·5
		Other classes ...	36·4	15 " 20 " ...	27·7
				20 " 30 " ...	17·5
				30 " 40 " ...	25·5
				40 " 50 " ...	26·6
				50 " 60 " ...	42·1
				60 years and upwards ...	88·5

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

The 22nd October 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 29th September 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS. Number of—			BIRTHS. Ratio per 1,000 of population per annum.				MORTALITY ACCORDING TO— Disease. Deaths from—							Ratio per 1,000 of population per annum.								Sex. Deaths.		Ratio per 1,000 of population per annum.		
Districts.	Names of Municipalities.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	9	5	14	13·7	7·6	21·4	180	...	...	4	5	...	2	11	...	...	6·1	7·6	...	3·0	16·8	13·7	7	4	20·2	13·0	175
Midnapore ...	Midnapore ...	16,927	16,633	33,560	11	3	14	17·0	4·6	21·7	366	4	...	6	2	...	3	15	6·2	...	9·3	3·1	...	4·6	23·2	30·9	5	10	15·4	31·3	50
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	11	6	17	14·8	8·0	22·8	183	...	...	4	2	1	2	9	...	...	5·4	2·7	1·3	2·7	12·1	18·8	4	5	10·8	13·3	80
Hughli ...	Serampore ...	13,559	12,937	26,496	13	8	21	25·5	15·7	41·2	162	...	...	6	6	1	14	27	...	...	11·8	11·8	1·9	27·5	53·0	37·3	18	9	69·0	36·2	200
	Utterpara ...	3,046	2,464	5,510	1	...	1	9·4	...	9·4	No female birth.	1	...	1	1	...	1	4	9·4	...	9·4	9·4	...	9·4	37·8	9·4	2	2	34·1	42·2	100
24-Pergunnahs ...	Howrah ...	53,153	37,660	90,813	9	26	35	5·2	14·8	20·0	34	9	...	13	7	1	9	39	5·2	...	7·4	4·0	·5	5·1	22·3	23·4	26	13	25·4	18·1	200
	Bali ...	7,836	6,979	14,815	1	2	3	3·5	7·0	10·5	50	2	...	6	2	...	1	11	7·0	...	21·1	7·0	...	3·5	38·6	38·6	7	4	46·5	29·8	175
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	59	40	99	12·2	8·3	20·5	147	38	1	78	23	8	63	211	7·9	·2	16·1	4·8	·6	14·0	43·6	32·9	120	91	42·4	48·4	131
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	3	...	3	5·6	...	5·6	No female birth.	...	...	5	...	2	1	8	...	...	9·4	...	3·7	1·9	15·1	24·6	4	4	15·7	14·6	100
	Ranaghat ...	4,028	4,655	8,683	...	1	1	...	6·0	6·0	No male birth.	...	...	1	...	...	...	1	...	...	6·0	...	...	...	6·0	6·0	1	...	12·9	...	No female death.
	Santipore ...	13,708	15,979	29,687	9	1	10	15·8	1·7	17·5	900	...	...	3	...	...	1	4	...	...	5·2	...	...	1·7	7·0	1·7	2	2	7·6	6·5	100
Jessore ...	Jessore ...	4,830	3,665	8,495	1	1	2	6·1	6·1	12·2	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	...	...	...	...	......
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	5	4	9	13·1	10·5	23·6	125	...	...	7	2	1	1	11	...	...	18·4	5·2	2·6	2·6	28·9	23·6	4	7	19·3	40·3	57
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	3	4	7	19·5	26·1	45·6	75	...	...	3	...	...	...	3	...	...	19·5	...	...	...	19·5	32·6	2	1	20·6	17·6	200
Dacca ...	Dacca ...	42,782	37,379	80,161	17	11	28	11·0	7·1	18·1	154	1	...	6	4	...	11	22	·6		3·9	2·6	...	7·1	14·2	16·9	15	7	18·2	9·7	214
	Narainganj ...	7,605	4,956	12,561	9	4	13	37·2	16·6	53·8	225	...	...	3	1	...	1	5	...	...	12·4	4·1	...	4·	20·7	8·3	3	2	20·5	21·0	150
Chittagong ...	Chittagong ...	13,340	8,790	22,130	7	2	9	16·4	4·7	21·1	350	...	...	2	...	...	3	5	...	...	4·7	...	...	7·9	11·7	16·4	3	2	11·7	11·8	150
Tipperah ...	Comillah ...	8,153	5,353	13,506	3	3	6	11·5	11·5	23·1	100	...	...	3	...	...	1	4	...	...	11·5	...	...	3·8	15·4	26·9	2	2	12·7	19·4	100
Patna ...	Patna City ...	78,762	81,475	160,237	44	24	68	14·3	7·8	22·1	183	15	...	32	6	...	20	73	4·9	...	10·4	1·9	...	6·5	23·7	19·5	38	35	25·1	22·3	108
Gya ...	Gya ...	38,290	37,831	76,121	27	23	50	18·4	15·7	34·2	117	53	...	65	8	1	28	155	36·2	...	44·4	5·5	·7	19·1	105·9	87·4		60	129·0	82·5	158
Shahabad ...	Arrah ...	20,960	22,505	43,465	13	14	27	15·6	16·7	32·3	92	17	...	21	1	1	5	45	20·3	...	25·1	1·2	1·2	6·0	53·8	43·1	24	21	59·5	48·5	114
Mozufferpore ...	Mozufferpore ...	23,084	19,659	42,743	15	13	28	18·3	15·8	34·1	115	3	...	7	...	...	10	20	3·6	...	8·5	...	...	12·2	24·3	30·4	11	9	24·8	23·3	122
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	22	26	48	17·3	20·5	37·8	84	4	...	25	5	...	15	49	3·1	...	19·7	3·9	...	11·8	38·5	19·7	24	25	37·0	40·2	96
Sarun ...	Chupra ...	26,044	27,205	53,249	4	6	10	3·9	5·8	9·8	66	10	...	9	2	...	12	33	9·8	...	8·8	1·9	...	11·7	32·2	21·8	16	17	31·9	32·5	94
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	25	23	48	22·6	20·8	43·4	108	8	...	19	4	1	24	56	7·2	...	17·2	3·6		21·7	50·7	29·9	32	24	56·1	44·9	133
Monghyr ...	Monghyr ...	28,154	29,366	57,520	34	22	56	30·7	19·9	50·6	154	15	...	15	6	1	7	44	13·6	...	13·6	5·4	·9	6·3	39·8	56·0	20	24	36·9	42·5	83
Purneah ...	Purneah ...	8,463	6,553	15,016	3	4	7	10·3	13·9	24·2	75	...	...	3	...	...	1	4	...	...	10·3	...	...	3·5	13·9	6·9	4	...	24·6	...	No female death.
Puri ...	Puri ...	13,247	11,537	24,784	9	13	22	18·9	27·3	46·2	69	...	...	4	4	...	4	12	...	...	8·4	8·4	...	8·4	25·2	18·7	9	3	35·3	13·5	300
	TOTAL ...	702,890	619,691	1,322,581	367	289	656	14·4	11·4	25·8	126	180	1	351	91	13	245	891	7·1	·05	13·3	3·5	·5	9·6	[illegible]	22·3	488	393	36·8	29·1	120

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remaining as before, so it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table [illegible] have alluded to cannot be employed as a basis of calculation owing to the results of the census under this head [illegible]

Districts.	Names of Municipalities.	Mortality according to—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	9	2	...	...	...	19·8	10·1	...	...	2	...	1	...	...	...	1	1	1	5	157·6	......	22·3	......	......	......	7·5	11·8	21·2	175·4
Midnapore ...	Midnapore ...	...	13	2	...	...	...	26·0	14·4	...	...	2	...	1	...	1	1	5	2	2	1	140·0	......	13·9	......	16·5	7·1	46·9	27·9	50·4	28·4
Hughli ...	Hughli and Chinsurah ...	...	7	2	...	...	...	11·5	15·2	...	...	...	1	1	...	...	2	3	...	1	1	......	19·5	14·9	......	......	13·4	22·2	......	15·9	20·7
Serampore ...	Serampore ...	...	26	1	...	...	...	53·5	55·4	...	...	11	1	1	...	1	2	2	1	1	7	805·6	28·8	20·7	......	13·8	19·3	20·1	15·4	27·2	261·7
	Utterpara ...	...	4	...	...	...	...	39·0	...	...	...	1	...	...	...	...	...	...	...	2	1	323·0	......	......	......	......	......	......	......	282·6	200·0
Howrah ...	Howrah ...	...	23	15	...	1	...	17·6	33·0	...	215·8	8	3	...	1	...	4	10	4	4	5	201·6	28·2	......	7·9	......	9·2	27·0	17·7	38·9	69·3
	Bali ...	...	11	...	...	...	...	42·7	...	...	...	...	1	1	...	2	2	2	2	1	...	......	52·1	45·8	......	77·9	31·1	37·3	53·7	49·6	......
24-Pergunnahs ...	Suburbs of Calcutta ...	4	161	46	...	...	51·4	55·8	24·8	...	...	37	17	8	4	12	33	43	21	11	25	403·8	54·7	21·0	11·6	34·6	29·5	43·4	32·2	33·7	91·3
Nuddea ...	Kishnaghur ...	...	4	4	...	...	...	11·1	25·1	...	...	...	1	1	1	3	...	...	...	2	...	......	21·1	15·1	18·5	76·0	......	......	......	49·4	......
	Ranaghat ...	...	1	...	...	...	...	7·1	...	...	...	...	...	...	...	...	...	...	...	...	1	......	......	......	......	......	......	......	......	......	91·4
	Santipore ...	...	4	...	...	...	...	16·0	...	...	...	1	...	1	...	...	...	1	...	...	1	61·5	......	13·7	......	......	......	12·0	......	......	26·5
Jessore ...	Jessore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	......	......	......	......	......	......	......	......	......
Rajshahye ...	Rampore Beauleah ...	...	5	6	...	...	...	26·2	31·8	...	...	1	1	2	1	1	2	1	1	1	...	128·1	36·7	50·0	28·9	31·3	25·0	14·4	21·2	41·9	......
Darjiling ...	Darjiling ...	...	2	...	1	...	...	22·6	...	31·5	...	...	...	...	...	...	...	...	2	...	1	......	......	......	......	......	......	......	150·3	......	307·7
Dacca ...	Dacca ...	...	12	10	...	...	...	15·5	13·2	...	...	4	2	1	3	...	1	3	2	3	3	109·6	14·1	5·2	19·6	......	3·4	13·4	12·4	32·9	28·0
	Narainganj ...	...	2	3	...	...	...	16·4	25·3	...	...	1	1	1	...	...	...	2	...	...	...	156·3	45·6	39·4	......	......	......	48·6	......	......	......
Chittagong ...	Chittagong ...	...	2	3	...	...	...	17·9	10·2	...	...	...	1	...	1	1	...	...	...	1	1	......	26·4	......	20·2	21·5	......	......	......	47·9	65·3
Tipperah ...	Comillah ...	...	2	2	...	...	...	17·5	14·1	...	...	1	...	1	...	...	...	...	...	...	2	175·1	......	31·9	......	......	......	......	......	......	153·4
Patna ...	Patna City ...	1	56	16	...	...	146·5	24·5	20·3	...	...	11	9	4	4	2	4	6	12	4	17	132·7	32·1	12·4	14·4	9·3	7·2	13·4	33·1	14·7	64·0
Gya ...	Gya ...	...	142	13	...	...	...	123·0	42·0	...	...	14	26	5	3	9	16	15	14	24	29	406·7	212·8	37·2	23·2	89·4	56·5	61·3	74·5	189·9	293·0
Shahabad ...	Arrah ...	...	53	12	...	...	...	55·3	50·3	...	...	7	5	3	2	4	2	8	3	3	8	282·6	58·7	30·5	23·6	66·0	14·4	64·7	33·3	50·4	144·2
Mozufferpore ...	Mozufferpore ...	...	11	9	...	...	...	10·0	37·5	...	...	6	2	...	...	2	1	3	2	...	4	326·7	25·7	......	......	34·3	6·0	22·4	20·8	......	85·5
Durbhanga ...	Durbhanga ...	...	33	16	...	...	...	35·4	46·8	...	...	11	12	3	4	3	3	2	1	3	7	367·4	32·0	19·9	37·4	38·8	11·7	9·3	7·1	35·6	114·0
Saran ...	Chupra ...	...	23	10	...	...	...	29·1	43·3	...	...	4	6	...	...	1	8	2	4	2	6	144·0	58·7	......	......	14·6	43·7	12·8	33·1	24·7	89·7
Bhagulpore ...	Bhagulpore ...	...	35	21	...	...	...	45·8	63·4	...	...	14	5	6	3	7	4	2	5	6	4	609·7	48·0	53·1	24·8	87·0	19·6	11·2	40·5	73·3	57·7
Monghyr ...	Monghyr ...	...	38	6	...	...	...	44·2	24·8	...	...	7	8	6	5	3	4	...	2	3	6	245·1	66·8	44·2	45·4	41·3	20·1	......	16·3	39·2	67·0
Purneah ...	Purneah ...	...	3	1	...	...	...	17·0	9·1	...	...	...	...	...	...	1	...	...	2	1	...	......	......	......	......	52·3	......	......	56·0	55·3	......
Puri ...	Puri ...	...	12	...	...	...	...	25·4	...	...	...	4	1	...	...	...	2	1	1	1	2	680·5	29·9	......	......	......	19·7	12·8	15·6	23·3	57·6
	Total ...	5	674	200	1	1	21·7	38·3	26·5	24·2	36·4	147	103	47	32	53	91	112	82	77	137	252·1	48·8	18·6	14·3	27·7	17·5	25·5	26·6	42·1	89·5

Office of Sanitary Commissioner for Bengal,
The 22nd October 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Offg. Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 13th October 1888, as compared with the corresponding week of the previous year

Nature of Cargo.	Week ending Saturday, the 13th October 1888.			Week ending Saturday, the 15th October 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	892	1,43,615	2,354	805	1,16,435	1,769
Jute	354	1,99,200	3,396	187	76,775	1,829
Firewood	172	67,200	1,044	161	75,275	1,077
Other articles	1,077	2,04,955	3,028	961	2,58,225	3,878
Total ...	2,495	6,14,970	9,822	2,114	5,26,710	8,053

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 20th October 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 20th October 1888.			Week ending Saturday, the 22nd October 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	1,014	1,64,700	2,724	838	1,25,397	1,870
Jute	328	1,28,975	3,147	311	1,63,565	2,902
Firewood	298	1,33,825	1,959	124	53,505	624
Other articles	903	2,35,050	2,609	1,073	2,65,151	4,025
Total ...	2,543	6,60,550	10,439	2,346	6,07,608	9,421

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY

Approximate Return of Traffic for week ended 6th October 1888, on 1,513¾ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	237,312	2,72,680 11 0	26,28,174 20	4,69,875 8 0	18,035 4 0	7,87,591 7 0	64,005	89,137½	153,142½
Or per mile of railway	..	180 2 2	..	328 3 10	11 14 8	520 4 8	.....	......	...
For previous 13 weeks of half-year	2,920,533	28,73,022 3 0	3,08,57,349 20	58,08,741 4 4	2,03,714 9 3	88,85,478 0 7	828,986½	1,018,315½	1,847,302
Total for 14 weeks ...	3 157,845	31,45,702 14 0	3,34,85,524 0	63,05,616 12 4	2,21,749 13 3	96,73,069 7 7	892,991½	1,107,452½	2,000,444½
Comparison.									
Total for corresponding week of previous year . ..	231,217	2,71,805 6 3	20,84,737 10	4 68,830 15 3	17,553 0 9	7,58,200 6 3	62,777	74,410	137,187
Per mile of railway corresponding week of previous year .	...	170 8 11	..	309 11 8	11 9 6	500 14 1	......	.....	...
Total to corresponding date of previous year	3,463,820	34,85,541 14 0	2,98,53,318 20	63,12,424 11 0	2,33,863 8 4	1,00,31,829 1 4	921,028	1,124,506	2,045,534

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888.	Total decrease in 1888
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,513¾	7,58,200	501	1,513¾	7,87,591	520	1,513¾	2,24,39,379	549	1,513¾	2,13,52,753	522	......	10,86,626

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 13th October 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	239 272	2,76 521 12 0	23,71,183 20	4,86 028 4 0	17,742 12 0	7,82,300 12 0	63,696½	79,810	143,506½
Or per mile of railway . .		182 10 10		322 6 4	11 11 7	516 12 9	.....	......	.....
For previous 14 weeks of half-year	3,157,845	31,45,702 14 0	3,34,85,524 0	63,05,616 12 4	2,21,749 13 3	96,73,069 7 7	892,991½	1,107,452½	2,000,444½
Total for 15 weeks ..	3,397,117	34,22,232 10 0	3,58,56,704 20	67,93,645 0 4	2,39,492 9 3	1,04,55,370 3 7	956,688	1,187,262½	2,143,950½
Comparison.									
Total for corresponding week of previous year . .	234,122½	2,79,810 11 1	23,77,009 30	5,68,089 5 0	18,565 12 2	8,66,465 12 3	63,318	87,698	151,016
Per mile of railway corresponding week of previous year . .		184 13 6	.. ..	375 4 7	12 4 3	572 0 4	......	... ..	... .
Total to corresponding date of previous year	3,697,942½	37,65,352 9 1	3,22,30,358 10	68,80,514 0 0	2,52,428 4 0	1,08,98,294 13 7	98 ,346	1,212,204	2,196,550

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,513¾	866,466	572	1,513¾	7,82,301	517	1,513¾	2,33,05,845	550	1,513¾	2,21,35.05	522	......	11,70,791

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 6th October 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*20,475	*17,352 10 0	34,925 0	2,820 13 0	25 10 0	20,199 1 0	1,931	501	2,432
Or per mile of railway	463	303 5 11	610 30	49 5 0	0 7 2	353 2 1	......	......	......
For previous 13 weeks of half-year	143,069	72,818 9 0	4,29,667 10	28,213 15 0	320 14 3	1,01,353 6 3	23,421	9,769	33,190
Total for 14 weeks ...	163,444	90,171 3 0	4,64,592 10	31,034 13 0	346 8 3	1,21,552 7 3	25,352	10,270	35,622
Comparison.									
Total for corresponding week of previous year	12,524½	6,380 9 8	24,004 0	1,953 2 0	32 12 0	8,366 7 8	1,866	528	2,394
Per mile of railway corresponding week of previous year ...	219	111 8 9	431 10	34 2 4	0 9 2	146 3 4	......	......	......
Total to corresponding date of previous year	212,682	1,16,180 4 9	5,12,342 10	33,417 5 0	485 8 0	1,50,083 1 9	26,757	9,107	35,864

* The heavy increase in coaching traffic is on account of pilgrims returning from Gya.

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	8,366	146	57½	20,199	353	57½	2,69,246	174	57½	2,35,475	152	......	33,771

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 13th October 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	13,545	7,908 3 0	39,360 30	2,885 1 0	26 6 0	10,189 10 0	2,045	463	2,508
Or per mile of railway	237	138 4 1	688 10	50 7 0	0 7 5	189 2 6	......	......	......
For previous 14 weeks of half-year	169,444	90,171 3 0	4,64,592 10	31,034 12 0	346 8 3	1,21,552 7 3	25,352	10,270	35,622
Total for 15 weeks ...	182,089	98,079 6 0	5,03,953 0	33,919 13 0	372 14 3	1,32,372 1 4	27,397	10,733	38,130
Comparison.									
Total for corresponding week of previous year	10,442½	5,722 0 2	30,946 10	2,781 14 0	27 7 6	8,531 5 8	1,787	607	2,394
Per mile of railway corresponding week of previous year ...	183	100 0 7	698 20	48 10 0	0 7 8	149 2 5	...	......	......
Total to corresponding date of previous year	223,124½	1,21,902 4 11	5,52,288 20	36,199 3 0	512 15 6	1,58,614 7 5	28,544	9,714	38,258

Approximate Statement of gross receipts of the Patna-Gya State Railway prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888.			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	8,531	149	57½	10,820	189	57½	2,77,777	173	57½	2,46,295	154	......	31,482

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 6th October 1888, on 12 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,512	425 12 0	7,057 20	164 10 0	3 0 0	593 12 0	442½	51	493½
Or per mile of railway	......	35 7 8	......	13 11 6	0 4 6	49 7 8	......	......	......
For previous 13 weeks of half-year	37,021	6,143 14 0	85,877 20	1,922 13 0	62 11 9	8,129 6 9	5,271½	1,378	6,649½
Total for 14 weeks ...	39,533	6,569 10 0	92,935 0	2,087 7 0	66 1 9	8,723 2 9	5,714	1,429	7,143
Comparison.									
Total for corresponding week of previous year	2,864	481 1 5	13,328 0	263 15 0	5 14 0	750 14 5	367	126	493
Per mile of railway corresponding week of previous year ...	......	40 1 5	......	21 15 11	0 7 10	62 9 2	......	......	......
Total to corresponding date of previous year	41,226½	6,860 2 3	1,22,656 30	2,095 4 0	97 0 9	9,652 7 0	5,761	1,282	7,043

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	751	63	12	594	49	12	24,253	75	12	24,795	77	542	......

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for the week ending 13th October 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,481	427 4 0	10,287 20	214 7 0	4 3 0	645 14 0	441½	52	493½
Or per mile of railway	......	35 9 8	......	17 13 11	0 5 7	53 13 2	......	......	......
For previous 14 weeks of half-year	39,533	6,569 10 0	92,935 0	2,087 7 0	66 1 9	8,723 2 9	5,714	1,429	7,143
Total for 15 weeks ...	42,014	6,996 14 0	1,03,222 20	2,301 14 0	70 4 9	9,369 0 9	6,155½	1,481	7,636½
Comparison.									
Total for corresponding week of previous year	2,323	389 3 0	9,010 10	195 11 0	8 12 3	593 10 3	389	104	493
Per mile of railway corresponding week of previous year ...	......	32 6 11	......	16 4 11	0 11 8	49 7 6	......	......	......
Total to corresponding date of previous year	43,549½	7,249 5 3	1,31,667 0	2,890 15 0	105 13 0	10,246 1 3	6,150	1,388	7,538

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888.			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	594	49	12	646	54	12	24,847	74	12	25,441	76	594	......

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 6th October 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,492	2,462 9 0	74,606 0	2,634 0 0	57 0 0	5,153 9 0	856	942½	1,798½
Or per mile of railway	......	33 14 9	......	35 3 5	0 12 2	68 14 4	......	......	......
For previous 13 weeks of half-year	58,730	39,348 5 0	10,86,607 30	32,274 10 9	1,433 10 9	73,056 10 6	8,496	13,288½	22,784½
Total for 14 weeks ...	62,222	41,810 14 0	11,61,213 30	34,908 10 9	1,490 10 9	78,210 3 6	9,342	14,230½	23,572½
Comparison.									
Total for corresponding week of previous year	7,799½	4,909 15 9	91,916 20	4,256 11 0	117 3 3	9,343 14 6	751	1,995	2,656
Per mile of railway corresponding week of previous year ...	......	66 7 1	......	56 14 6	1 9 1	124 14 8	......	......	......
Total to corresponding date of previous year	73,450½	55,050 5 1	13,75,093 10	51,887 8 0	1,416 0 0	1,08,953 13 1	10,032	21,863	31,895

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888.	Tota decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	9,344	125	74½	5,154	69	74½	2,22,956	110	74½	1,85,077	92	......	37,879

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 13th October 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,434	3,431 15 0	61,078 30	2,213 6 0	60 8 0	5,705 13 0	700	743	1,443
Or per mile of railway	......	45 14 1	......	29 9 5	0 13 0	76 4 6	......	......	......
For previous 14 weeks of half-year	62,222	41,810 14 0	11,61,213 30	34,908 10 9	1,490 10 9	78,210 3 6	9,342	14,230½	23,572½
Total for 15 weeks ...	66,656	45,242 13 0	12,22,292 20	37,122 0 9	1,551 2 9	83,916 0 6	10,042	14,973½	25,015½
Comparison.									
Total for corresponding week of previous year	6,747½	4,685 9 4	64,754 30	3,607 2 0	61 4 0	8,353 15 4	786	1,648	2,434
Per mile of railway corresponding period of previous year ..	......	62 10 3	......	48 3 7	0 13 1	111 10 11	......	......	......
Total to corresponding date of previous year	80,207	60,335 14 5	14,39,848 0	55,494 10 0	1,477 4 0	1,17,307 12 5	10,818	23,511	34,329

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Sindia State Railway.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888.			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	8,354	112	74½	5,706	76	74½	2,31,310	110	74½	1,90,783	91	......	40,527

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 6th October 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	17,127	4,208 12 0	6,237 20	228 10 0	5 9 0	4,532 15 0	927	41	968
Or per mile of railway	... ..	193 3 3	. ..	10 1 5	0 4 0	201 11 8	... ..	......	......
For previous 13 weeks of half-year	224,472	55,813 8 0	45,136 0	1,537 7 0	83 12 9	57,434 11 9	12,105	567	12,672
Total for 14 weeks ...	241,599	60,112 4 0	51,373 20	1,766 1 0	89 5 9	61,967 10 9	13,032	608	13,640
Comparison.									
Total for corresponding week of previous year .	17,818	4,613 10 7	6,137 30	201 9 0	6 1 3	4,826 4 10	910	58	968
Per mile of railway corresponding week of previous year .	.....	207 9 3	... ..	9 1 0	0 4 4	216 14 7	... .	... ..	......
Total to corresponding date of previous year . ..	248,314	60,407 13 3	57,440 30	2,052 5 0	82 6 6	62,542 8 9	13,406	618	14,024

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	4,826	217	22½	4,533	204	22½	1,39,612	232	22½	1 45,297	242	5,685	......

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ending 13th October 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	17,433	4,391 6 0	6,047 10	217 8 0	4 0 0	4,612 14 0	926	42	968
Or per mile of railway	.	197 5 10	.	9 12 5	0 2 10	207 5 1	......	......	.. ...
For previous 14 weeks of half-year	241,599	60,112 4 0	51,373 20	1,766 1 0	89 5 9	61,967 10 9	13,032	608	13,640
Total for 15 weeks ...	259,032	64,503 10 0	57,420 30	1,983 9 0	93 5 9	66,580 8 9	13,958	650	14,608
Comparison.									
Total for corresponding week of previous year	16,790½	4,218 14 8	5,169 20	180 9 0	2 10 0	4,402 1 8	899	69	968
Per mile of railway corresponding week of previous year	. .	189 9 10		8 1 10	0 1 11	197 13 7	......	......	......
Total to corresponding date of previous year	265,104½	64,626 11 11	62,610 10	2,232 14 0	85 0 6	66,944 10 5	14,305	687	14,992

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888.			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	4,403	198	22½	4,613	207	22½	1,44,014	231	22½	1,49,910	241	5,896	......

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No. 44 of

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WEDNESDAY, OCTOBER 31, 1888.

OFFICIAL PAPERS.

CONTENTS.

LIBERALITY OF KAZI SYUD REZA HOSSEIN, KHAN BAHADOOR.

GENERAL DEPARTMENT—EDUCATION.

Darjeeling, the 27th October 1888.

RESOLUTION.

READ the undermentioned letters—

From the Commissioner of the Patna Division, No. 379, dated the 30th July 1888.

From the Director of Public Instruction, Bengal, No. 5414, dated the 2nd October 1888, regarding the endowment of Kazi Syud Reza Hossein, Khan Bahadoor, for the encouragement of English education among the Mahomedan youths of Patna.

Kazi Syud Reza Khan Bahadoor recently assigned an estate in the district of Patna of the annual value of Rs. 1,200 as an endowment for the English education of Mahomedan youths in the Patna College and the Oriental College of Aligarh, and has now offered to make over to Government a sum of Rs. 1,200, to be invested in Government securities, for the foundation of a scholarship of Rs. 4 a month, tenable for one year, to be awarded to the best student of the Entrance class of the Patna Anglo-Arabic School. The donor desires the scholarship to be paid, so long as the school exists, to the Secretary, the Local Government having, in the event of the closing of the institution, power to apply the income of the fund, at its discretion, to such purposes as may be deemed most likely to promote the advancement of English education among Mahomedan youths. The Lieutenant-Governor gladly accepts the Kazi's offer, and directs that the thanks of Government be conveyed to him for his public spirit and liberality. The Inspector of Schools, Behar Circle, will be the administrator of the fund, and will pay the scholarship on bills submitted by the Secretary to the Patna Anglo-Arabic School.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 27th October 1888.

	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*			
BURDWAN DIVN.	1	Burdwan	Oct. 27, '88	Nil	Early cold weather. The *aus* harvest was 11 or 12 annas of an average crop. The *amun* will be only 8 annas of an average crop unless good rain falls by 5th November. Price of common rice rising fast in Raneegunge and Cutwa, where it is now 16 seers per rupee on average.
	2	Bankoora	„ 26, '88	Nil	Weather—hot and close. Rain urgently required to save much of the winter rice crop, and for cultivation of *rubbi* crops (latter, however, unimportant here). However irrigation going on, and even with no rain, rice crop expected to be 10 annas in the Sudder and 8 annas in the Bishenpore sub-division, and sufficient for local consumption. Exportation up-country has been vigorous during the week, causing a sharp rise in prices. This has ceased, since yesterday (25th) and prices have again fallen; coarse rice now selling at 17 seers per rupee. Sugarcane doing well.
	3	Birbhum	„ 27, '88	Nil	Weather—hot and cloudy. Rice is suffering severely from want of rain.
	4	Midnapur	„ 27, '88	Nil	The weather continues clear and cold. The prospect of the *amun* crop is daily getting worse, but heavy export is going on and prices rising fast, except in two or three thanas, where the early crop has come into the market.
	5	Hugli	„ 27, '88	Nil	Weather—cool and dry. Winter rice on high lands and retransplanted rice on flooded lands urgently in need of rain to mature it. Irrigation is being resorted to wherever possible.
		Howrah	„ 29, '88	Nil	Weather—seasonable. Rain wanted.
		Central Districts.			
PRESIDENCY DIVN.	6	24-Perghs.	Oct. 30, '88	Nil	Weather—generally hot, but cool in the morning. Prospects of crops continue good everywhere except in the flooded parts of the Diamond Harbour sub-division. Rain is, however, wanted for the crops on the higher lands.
	7	Nuddea	„ 27, '88	Nil	Weather—days warm; mornings and nights cool. Prospects of *amun* rice poor in Kushtea and Sudder; fair in other sub-divisions. Ploughing and sowing for *rubbi* crops continue.
	8	Khoolna	„ 27, '88	Nil	Weather—seasonable. *Amun* on high lands wants rain. Otherwise prospects are fair.
	9	Jessore	„ 27, '88	Nil	Weather—seasonable. Rain is wanted for *amun* paddy which is in ear. Sowings of winter crops going on,
	10	Moorshedabad	„ 27, '88	Nil	Weather—bright and clear; nights cool; days hot. *Amun* suffering for want of rain. *Kalai* promising. *Rubbi* sowings commenced.
RAJSHAHYE DIVN.	11	Dinagepur	„ 27, '88	Nil	The last few days have been cloudy, but for the week the weather has been still and clear. Rain is badly wanted. The winter rice is withering, and much anxiety is felt. Price of common rice has risen. The mahajans are still exporting rice, but the cultivators are withholding their stocks.
	12	Rajshahye	„ 27, '88	Nil	Weather—very cool at night; hot sun in day time. Rice sells at an average of 17¼ seers for the district, 14¼ seers in the town of Beauleah. Crops not bad in Nattore; elsewhere rain most urgently required. *Amun* has suffered in many places.
	13	Rungpur	„ 27, '88	Nil	Weather—fine and still with hot days and cool nights. Rain much wanted. *Amun* crop prospects bad. Tobacco being planted and other cold-weather crops being sown.
	14	Bogra	„ 27, '88	Nil	Calm and cool clear weather. *Amun* is in ear in some places, but the crops of the high lands are being dried up for continued drought. Sugarcane and *mashkalai* are growing. Mustard is being sown. *Til* blossoming. Rain much wanted.
	15	Pubna	„ 27, '88	Nil	Weather—fair. Prospects of *amun* paddy good. Winter crops are being sown.
	16	Darjeeling	„ 27, '88	Nil	Weather—fine, but cloudy. Prospects of crops fair, but rain is badly wanted both in hills and plains.
	17	Julpigoree	„ 27, '88	Nil	Weather—mornings and nights cool; days warm. Prospects of *haimanti* paddy are bad, especially in the Alipore tehsil. Transplantation of tobacco has commenced. Price of rice has risen. Common rice selling at the Sudder station at 16 seers per rupee.
		Eastern Districts.			
DACCA DIVN.	18	Dacca	Oct. 27, '88	Nil	Weather—seasonable. Ploughing and sowing of pulses and mustard going on in some parts of the district. Tobacco is being transplanted. *Amun* crops coming into ear. Prospects good.
	19	Furreedpur	„ 27, '88	Nil	Weather—seasonable. Prospects continue fair. Land is being prepared for cold-weather crops, but rain is wanted.
	20	Backergunge	„ 26, '88	Nil	Weather—seasonable. Prospects of crops good, except in parts of Bhola, where the rice seedlings have been damaged by floods.
	21	Mymensingh	„ 26, '88	Nil	Weather—seasonable. Prospects of crops good.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
Eastern Districts—concld.				
CHITTAGONG DIVN.				
22	Chittagong	..	...	Report not received.
23	Noakholly	Oct. 26, '88	Ni	Weather—seasonable. State of *amun* generally good. Soil is being prepared for winter crops.
24	Tipperah	„ 25, '88	Nil	Weather—seasonable, and getting very cool. The winter rice is coming on spendidly everywhere.
25	Chittagong Hill Tracts.	„ 23, '88	Nil	Weather—seasonable, with foggy mornings; it has been distinctly warmer again the past two or three days. Gathering of *jum* paddy nearly over Cotton plants are in pods here and there. Late rice crops in low lands progressing.
	Hill Tipperah	„ 24, '88	Nil	Weather- fair. *Amun* paddy and cotton doing well. Chilly and tobacco continue to be transplanted.
BEHAR.				
PATNA DIVN.				
26	Patna	„ 27, '88	Nil	Weather—cloudy and hot. Rain urgently wanted for paddy and *rubbi* sowings. From Behar it is reported that prices are rising fast, and without rain to allow of the ground being prepared for spring crops scarcity is very probable. Fodder is also scarce. Prices are high in other sub-divisions.
27	Gya	„ 27, '88	Nil	Weather—cloudy for the past three days. Paddy is dying for want of rain. If it does not rain within four or five days, only four annas paddy crop can be expected. Sowing of *rubbi* crop also being much delayed.
28	Shahabad	„ 27, '88	Nil	Weather—hot and cloudy. Paddy crop withering for want of rain, except on canal-irrigated lands. *Rubbi* sowing continues where well water is accessible; but if no rain falls, such fields as are beyond the reach of well water will be left fallow. Fever prevalent to such an extent as to affect agricultural operations injuriously. Prices rising Scarcity anticipated in parts.
29	Durbhanga	„ 27, '88	Nil	Weather— clouds have collected during the last few days, but they clear away in the evening, leaving the nights starry and bright. There is prospect of light rain. There is now no doubt that all the unirrigable high land rice in the Madhubani and Durbhanga sub-divisions will fail. It is withering and being cut for fodder or to make way for a *rubbi* crop if rain should fall. The poorer classes are at present finding labour in irrigating lands where the crop still survives. In a month or so this source of labour will be exhausted. Prices are now high throughout the district.
30	Mozufferpur	„ 27, '88	Nil	Weather—days hot; mornings and evenings cool, cloudy during last three days. *Rubbi* sowings progressing. Rain most urgently wanted for winter rice all over, and for *rubbi* sowings in parts of the district. Paddy plants being cut for fodder for cattle in the north of the Sitamarhi sub-division. Prices rising.
31	Sarun	„ 27, '88	Nil	Weather—hot, close and sultry; clouding over; nights cool. Rain very urgently required for paddy *Rubbi* is being sown, but with very little hope of a good crop if there be no rain shortly, because the whole area will not be sown. Prices of food-grains rising.
32	Chumparun	„ 27 '88	Nil	Weather—fair, but occasionally cloudy. Prospects of paddy crop bad. Irrigation being carried on wherever possible. *Rubbi* sowings germinating badly in places for lack of moisture. Rain badly wanted. Prices of food-grains rising
BHAGULPORE DIVN.				
33	Monghyr	„ 27, '88	Nil	Weather—days rather hot; nights somewhat cold. There have been some clouds for the latter part of the week, but no rain, which is very urgently needed throughout the district for the present and the future crops Paddy scorched in high lands, and *rubbi* sowings retarded for want of rain. Prices rising
34	Bhagulpur	„ 27, '88	Nil	Weather—too warm for the season and cloudy latterly. Much of the high land rice, especially in Supool, has been now irretrievably lost, and that on lower lands is suffering. *Rubbi* sowings retarded for want of moisture. Prices rising and prospects gloomy. Clouds, however, are gathering again
35	Purneah	„ 27, '88	Nil	Weather—cloudy, but no rain; warmer. In the absence of more rain, the *aghani* crop will not exceed 8 annas certain.
36	Maldah	„ 27, '88	Nil	Weather—fine and cool. Rain is urgently wanted for winter rice crops. Prospects not favourable. Price of common rice has risen to 12 seers since last week.
37	Sonthal Perghs.	„ 27, '88	Nil	Weather—cloudy and warm with easterly wind. No rain. *Bhadoi* harvest over; outturn defective, about 8 annas. Prospects of rice becoming rapidly worse for want of rain. If none comes, crop will not much exceed 8 annas, and perhaps be less. Prices of rice (11 and 12 seers per rupee) rising.
ORISSA.				
ORISSA DIVN.				
38	Cuttack	„ 26, '88	Nil	Weather—hot and clear. Early *sarad* in ear. The paddy crops on high lands are withering. Those on low lands also likely to suffer, provided there be no rain shortly. Price of rice rising. Fields are being irrigated by water from canals and tanks.
39	Pooree	„ 25, '88	None registered, but a few slight showers yesterday and to-day in parts of the district, and the sky is overcast with clouds.	Weather -hot and dry. The prospects of the winter (*sarad*) crop are very critical for want of rain. If rain does not fall within a week or so the *sarad* crop will fail. *Laghu sarad* has been damaged by drought. Wherever it is possible, lands are being irrigated from all available tanks, rivers, ponds, &c. Common rice 16 seers 1 chittack per rupee in the Sudder sub-division, and 16 seers 10 chittacks in the Khoorda sub-division.
	Khoorda		Nil	
40	Balasore	„ 26, '88	Nil	Weather—fine and clear. *Beali* rice and *birhi* being harvested *Sarad* rice in ear; suffering much from want of rain. Irrigation going on so far as possible. If no rain falls shortly, the outturn will be most seriously affected Prices rising.
CHOTA NAGPORE.				
South-West Frontier Agency.				
CHOTA NAGPORE DIVN.				
41	Hazaribagh	Oct. 26, '88	Nil	Weather—bright and clear; rainless. Paddy crops on the high lands suffering for want of rain. Prospects of winter rice now very indifferent Rain urgently wanted for paddy and *rubbi* crops. Prices rising.
42	Lohardugga	„ 27, '88	Nil	Weather—warm and cloudy. Clouds hovering, but no rain. Anxiety experienced regarding winter paddy. *Rubbi* sowing is at a standstill for want of rain. Prices rising.
43	Singbhoom	„ 26, '88	Nil	Weather - somewhat cloudy and warmer than in the previous week. No change in the prospect of the winter *dhan*, about quarter of which has been lost owing to the continued drought. There was a fall in the price of common rice at last market owing to the appearance of the new *gora dhan*
44	Manbhoom	„ 27, '88	Nil	Weather—hot and close. All crops more or less damaged for want of rain. The paddy crop is estimated at from 6 to 10 annas throughout the greater part of the district.

Published for general information.

CALCUTTA, REVENUE DEPT.,
The 30th October 1888.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT			BARLEY			RICE, BEST SORT			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return	Next preceding return.	Corresponding return of last year	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL															
	Western Districts															
		S Ch	S. Ch	S Ch	S. Ch	S. Ch	S Ch	S Ch	S Ch	S Ch.	S. Ch	S. Ch	S Ch	S. Ch	S Ch.	S Ch.
1	Burdwan .	12 0	11 8	16 2		No sale		15 0	15 0	16 14	18 12	20 4	21 12	.	..	..
2	Bankoora .	18 0	12 8	15 0	15 0	17 0	20 0	15 8	17 8	16 0	18 0	19 1	18 9½		.	..
3	Boorbhoom .	13 8	13 8	16 8		..		15 0	15 0	16 8	18 0	18 0	22 8	..		..
4	Midnapore .	13 5	13 5	15 0	40 0	40 0	..	14 0	16 0	18 0	20 0	21 0	22 0	.	.	...
5	Hooghly	14 0	14 0	14 0	...	..	.	10 0	10 0	10 0	15 0	15 0	16 0		.	.
	Howrah ..	Not	available.		.	.		12 8*	12 8	13 0	17 12	17 12	17 12	.	.	..
	Central Districts															
	Calcutta	12 6	12 6	15 4	14 11	15 9	21 8	10 7	10 15	8 14	14 14	16 6	16 14	12 7	15 9	16 6
6	24 Pergunnahs	12 0	13 0	13 4	14 0	15 0	26 8	8 0	8 0	8 0	16 [illegible]	16 8	16 13		...	...
7	Nuddea .	13 9	14 8½	16 6	17 12	17 12	36 0	14 8	14 8	16 0	17 12	17 12	20 8	...	..	..
8	Khoolna				.	.	.	16 0	16 0	19 0	20 0	19 8	22 0	..	..	...
9	Jessore	13 4	13 4	12 8	.	.	.	13 0	14 8	16 4	20 0	24 8	23 0	...		...
10	Moorshedabad	13 4	14 8	16 12			.	14 0	15 0	13 4	16 0	18 0	22 0	.		...
11	Dinagepore	13 10	16 0	15 4	17 8	0 0	24 0	14 6	15 8	16 0	19 3	19 4	23 0	...	.	..
12	Rajshahye	15 2	12 0	17 4	45 0	45 0	45 0	15 0	15 0	16 10	19 8	19 8	20 4	..	.	...
13	Rungpore	16 3	13 4	18 12			..	13 0	13 0	14 8	17 13	18 4	20 0	...	.	...
14	Bogra	15 0	15 0	15 0		.	.	15 0	16 8	16 14	21 0	21 12	25 8	..	...	...
15	Pubna .	16 8	18 0	18 0				7 8	8 0	8 0	18 12	18 12	22 8	.	.	...
16	Darjeeling *			.					.	...	.	.	...	..	...	...
17	Julpigoree	12 0	13 0	12 0	20 0	20 0	16 0	11 8	13 0	13 0	18 0	20 0	20 0	.	.	...
	Eastern Districts															
18	Dacca	14 0	14 0	16 0	20 0	20 0	26 0	16 8	16 8	17 0	17 0	17 0	20 0	...	...	..
19	Fureedpore	21 0	21 0	14 0	32 [illegible]	32 0	24 0	16 0	16 0	19 0	18 0	18	22 0	..	...	..
20	Backergunge ...					.	.	12 12	14 0	17 0	15 0	16 0	20 0	..	...	..
21	Mymensingh	10 0	10 0	13 0		.	.	12 8	12 8	13 4	18 0	18 4	18 0	.	...	..

* Return not received.

A In sub-divisions retail prices of salt per rupee are .—Culna 10 seers, Cutwa 10 seers 6 chittacks, and Raneegunge 10 seers 10 chitts

B At Rampore Hât retail price of salt 10 seers per rupee.

C In sub-divisions retail prices of salt per rupee are —Ghattal 11½ seers, Tumlook 8 seers.

D In sub divisions retail prices of salt per rupee are :—Serampore 10½ seers and 10 seers 13 chittacks.

E In sub-divisions retail prices of salt per rupee are .—Baraset and Busairhat 9 seers, Barrackpore 9 seers 2 chittacks, D Dum 10 seers

F In sub-divisions retail prices of salt per rupee are .—Meherpore 10½ seers, Chooadanga, Ranaghat, and Kooshtea 10 seers.

G In sub-divisions retail prices of salt per rupee are .—Satkhira 9 seers 2¼ chittacks and Bagirhat 8 seers

H In sub-divisions retail prices of salt per rupee are :—Jhenida 9 seers, Narail 7½ seers, Bongong 10 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 15th October 1888.

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year	Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year	Firewood. Present return.	Next preceding return	Corresponding return of last year.	Salt. Present return.	Next preceding return	Corresponding return of last year	Wholesale prices per maund of 40 seers — Salt. Present return	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch	S. Ch.	S. Ch	Ch. S	S. Ch	S. Ch	Rs. A. P.	Rs. A. P.	Rs. A. P.	
															BENGAL
															Western Districts
.	No sale		18 0	18 0	27 0	120 0	120 0	120 0	(A) 11 2½	11 2½	13 12	3 9 3	3 7 6	2 13 6	Burdwan
28 0	26 0	36 0	20 0	20 0	19 0	320 0	320 0	320 0	10 0	10 0	12 0	3 14 0	3 15 0	3 3 0	Bankoora
...	...		13 0	13 0	15 4	160 0	160 0	160 0	(B) 10 0	10 0	12 4	3 13 0	3 13 0	3 2 0	Beerbhoom
...	...	...	14 0	14 0	13 0	120 0	190 0	180 0	(C) 10 8	10 8	13 0	3 12 0	3 12 0	3 0 0	Midnapore
...	...		13 0	13 0	13 0	120 0	120 0	120 0	(D) 9 0	9 0	1[illegible] 0	4 6 0	4 6 0	2 14 0	Hooghly.
...	..	..	13 0	13 0	14 4	100 0	100 0	100 0	10 1[illegible]	10 8	12 13	3 9 0	3 9 0	2 14 0	Howrah
															Central Districts.
17 5	17 12	20 14	16 7	16 8	17 4	98 10	98 10	80 0	10 15	11 0	13 4	3 6 3	3 6 0	2 12 0	Calcutta
...	.		17 0	17 0	17 8	100 0	100 0	90 0	(E) 10 12	10 12	12 8	3 6 6	3 6 6	2 15 0	24 Pergunnahs
...	...	...	20 0	17 12	20 0		..	.	(F) 9 13	9 2	11 10¼	3 14 0	3 14 0	3 0 0	Nuddea
...	.	.	.		..	160 0	160 0	160 0	(G) 10 0	10 0	10 8	4 0 0	3 14 0	3 12 0	Khoolna
...	..	..	20 0	20 0	20 0	100 0	100 0	100 0	(H) 10 9	10 12	10 12	3 12 0	3 11 0	3 2 0	Jessore.
...	...	...	20 0	20 0	20 0	200 0	200 0	190 0	(I) 10 8	10 8	12 0	3 12 0	3 12 0	3 5 5	Moorshedabad
...	..	.	9 8	10 8	...	160 0	160 0	160 0	10 0	10 4	12 8	3 14 0	3 14 0	3 2 0	Dinagepore
...	...	...	13 0	13 0	16 6	240 0	240 0	240 0	(J) 9 12	9 12	12 0	3 13 4	3 13 4	3 1 4	Rajshahye
...	...	...	7 4	10 0	8 10	120 0	120 0	120 0	(K) 10 0	10 0	10 5	4 0 0	4 0 0	3 8 0	Rungpore
...	...	...	...	...		90 0	90 0	90 0	9 12	9 12	12 0	3 13 4	4 0 0	3 4 0	Bogra
...	...	.	21 0	20 0	18 12	200 0	200 0	200 0	(L) 10 0	10 0	12 0	4 0 0	4 0 0	3 5 0	Pubna.
...	.		...	..		...	...	...	...	..		.....	. ..		Darjeeling
20 0	20 0	25 0	11 8	12 0	11 0	128 0	128 0	128 0	(M) 9 8	9 8	12 0	4 0 0	4 0 0	3 4 0	Julpigoree
															Eastern Districts
...	...	...	16 0	16 0	18 8	120 0	120 0	120 0	(N) 9 8	10 0	12 8	4 0 0	3 14 0	3 3 0	Dacca
...	...	...	..	.	20 0	120 0	120 0	160 0	10 0	10 0	12 0	4 0 0	4 0 0	3 1 0	Furreedpore
...	...	...	10 10	11 7	12 0	120 0	100 0	120 0	(O) 10 0	10 0	12 8	3 12 0	4 0 0	3 2 0	Backergunge
...	...	..	16 0	16 0	2[illegible] 0	...	...	...	(P) 10 0	10 0	12 4	4 0 0	4 0 0	3 4 0	Mymensingh.

I In Lalbagh, Jungipore, and Kandi sub divisions retail price of salt 10 seers per rupee

J In sub-divisions retail prices of salt per rupee are.—Nattore 9¾ seers and Nowgong 9 seers 9 chittacks.

K In sub divisions retail prices of salt per rupee are:—Nilphamari 10 seers, Gaibanda 7½ seers.

L At Serajgunge retail price of salt 10½ seers per rupee.

M At Fallacutta in Alipore sub-division retail price of salt 8 seers per rupee.

N In sub-divisions retail prices of salt per rupee are —Manickgunge 9 seers, Munshigunge 8 seers 14 chittacks.

O In sub-divisions retail prices of salt per rupee are.—Patuakhali and Bhola 8 seers, Pirozepore 9 seers

P In sub-divisions retail prices of salt per rupee are:—Kishoregunge and Netrokona 9 seers, Attea 10 seers, Jamalpore 9½ seers and Sherpore 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded.**															
		S Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	10 8	10 8	14 0	...	...	...	13 0	12 8	13 8	18 5	18 5	21 0	...	...	...
23	Noakholly ...	...	...	...	...	...	...	18 0	18 0	19 0	20 0	21 0	21 0	...	...	...
24	Tipperah ...	11 8	11 8	13 4	...	...	...	16 8	16 8	18 13	20 0	20 0	22 1	...	...	...
25	Chittagong Hill Tracts.	...	..	...	...	...	...	13 5¼	13 5¼	12 4	14 8½	16 0	13 5	...	...	...
	Hill Tipperah ...	8 0	8 0	12 0	...	...	...	12 0	12 0	12 0	20 0	20 0	18 0	...	...	...
	BEHAR.															
26	Patna ...	17 0	18 0	22 0	22 0	22 0	31 0	11 5	11 5	11 8	17 3	17 0	22 0	...	...	26 0
27	Gya ...	13 0	14 12	16 0	17 0	19 0	27 0	9 4	10 8	9 8	12 0	14 0	17 0	...	...	...
28	Shahabad ...	15 0	15 0	16 8	18 8	19 8	26 0	9 0	11 0	9 0	14 8	15 8	16 0	...	...	25 0
29	Durbhunga ...	13 3	14 8	22 0	18 10	20 8	39 0	12 1½	12 4	14 4	14 4½	17 4	18 10	...	...	...
30	Mozufferpore ...	12 0	13 0	20 0	22 0	24 0	30 0	10 0	12 0	12 0	13 0	14 4	22 0	...	...	...
31	Sarun ...	14 0	16	17 0	17 8	20 0	29 0	8 8	8 8	9 0	14 12	16 8	21 0	...	...	...
32	Chumparun ...	12 0	16 0	18 0	19 0	27 0	40 0	8 8	9 0	8 0	16 8	19 0	16 0	...	...	...
33	Monghyr ...	14 7	14 11	23 1	26 4	18 10	42 0	11 8	13 2	18 15	13 11	15 3	17 13	...	...	...
34	Bhagulpore ...	14 13	14 13	20 3	18 15	20 3	31 9	11 6	12 10	17 0	13 14	15 2	20 3	..	...	...
35	Purneah ...	15 0	13 0	22 0	No sale			13 0	14 0	16 0	16 0	18 0	20 0	...	...	...
	Maldah ...	15 0	15 0	20 0	...	...	...	13 0	13 0	14 0	19 0	20 0	26 0	...	...	...
37	Sonthal Perghs.	11 8	11 0	16 0	...	...	...	13 8	14 0	16 0	16 0	18 0	22 0	...	...	...
	ORISSA.															
38	Cuttack ...	14 7	14 7	16 6	...	...	...	10 8	10 8	10 8	14 7†	17 1	18 6	...	...	...
39	Pooree ...	11 13	13 2	13 2	...	...	...	13 2	13 2	11 13	19 11	19 11	18 6	...	...	...
40	Balasore ...	13 0	12 0	12 8	13 0	13 0	13 0	12 0	13 0	14 0	20 0	21 6	27 0	...	...	...
	CHOTA NAGPORE. ***South-West Frontier Agency.***															
41	Hazaribagh ...	12 0	11 8	17 0	18 0	14 0	24 0	7 0	7 0	9 0	13 0	18 0	20 0	Not procurable.		
42	Lohardugga ...	12 0	12 8	22 0	25 0	Not available.	32 0	13 0	13 0	16 0	14 0 (gora dhan) 18 0	15 8	(old) 20 0 (new) 24 0	...	...	...
43	Singbhoom ...	12 0	14 0	20 0	20 0	20 0	32 0	14 0	16 0	16 0	16 0	20 0	20 0	...	...	...
44	Manbhoom* ...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...

* Return not received.
† Common rice at Jajpore 26¼ seers per rupee, and at Kendrapara 21 seers per rupee.
Q At Cox's Bazar retail price of salt 8 seers per rupee.
R At Panchgatchia in the Fenny sub-division retail price of salt 8 seers per rupee.
S At Buxar retail price of salt 10½ seers per rupee.
T At Madhubani retail price of salt 10 seers per rupee.

CALCUTTA,
The 30th October 1888.

Station Bazars of the Districts of Bengal on the 15th October 1888—(concluded).

Indian-corn or Maize. (*Zea Mays.*) Present return.	Indian-corn Next preceding return.	Indian-corn Corresponding return of last year.	Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*) Present return.	Arhar Next preceding return.	Arhar Corresponding return of last year.	Firewood. Present return.	Firewood Next preceding return.	Firewood Corresponding return of last year.	Salt. Present return.	Salt Next preceding return.	Salt Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Wholesale Salt Next preceding return.	Wholesale Salt Corresponding return of last year.	Districts.
															Eastern Districts—concluded.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	10 0	10 0	11 0	110 0	110 0	75 0	Q 9 0	9 0	9 0	3 14 0	3 14 0	4 6 0	Chittagong.
...	...	...	...	...	...	...	...	...	R 8 0	8 0	10 0	4 8 0	4 8 0	3 8 0	Noakholly.
...	...	...	8 0	10 0	10 2½	...	...	...	8 0	8 0	12 0	4 6 0	4 10 0	3 3 0	Tipperah
...	..	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 12 0	5 0 0	4 8 0	Chittagong Hill Tracts.
...	...	...	12 0	12 0	16 0	...	...	...	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
															BEHAR.
22 0	22 0	34 0	22 0	25 0	26 0	180 0	180 0	120 0	10 0	10 0	11 12	3 10 0	3 10 0	3 1 6	Patna.
...	...	...	19 0	21 0	22 0	180 0	200 0	150 0	9 0	9 8	11 0	4 0 0	4 4 0	3 5 0	Gya.
...	...	...	13 0	14 0	16 0	160 0	160 0	120 0	S 10 0	10 0	12 8	4 0 0	4 0 0	3 3 0	Shahabad.
1 9	21 8	30 12	19 12	20 8	19 12	176 0	160 0	176 0	T 10 0	10 0	12 0	3 14 0	3 14 0	3 0 0	Durbhunga.
:0 0	23 8	33 0	21 0	23 9	20 0	160 0	160 0	2c0 0	U 10 0	10 12	12 0	3 12 0	3 9 0	3 4 0	Mozufferpore.
19 4 8	23 8	30 0	19 12	22 4	23 0	160 0	160 0	160 0	10 4	10 8	12 0	3 12 6	3 11 0	3 2 6	Sarun.
22 0	0	35 0	23 0	23 0	20 0	160 0	160 0	160 0	V 10 0	10 0	12 0	3 13 0	3 13 0	3 4 0	Chumparun.
18 15	19 14	36 12	20 0	21 0	22 0	126 0	126 0	126 0	W 10 8	10 8	12 9	3 12 0	3 12 0	2 14 6	Monghyr.
16 4	11	31 9	20 3	20 3	21 7	164 0	164 0	151 8	10 0	10 4	12 10	3 12 0	... ..	3 0 0	Bhagulpore.
No sale			16 0	16 0	18 0	160 0	120 0	160 0	X 9 0	9 0	10 8	4 6 0	4 6 0	3 8 0	Purneah.
...	...	...	...	...	...	120 0	160 0	120 0	9 8	9 8	12 0	4 0 0	4 0 0	3 4 0	Maldah.
23 8	45 0	42 8	20 0	20 0	25 0	200 0	200 0	200 0	9 8	9 8	11 8	3 15 0	4 0 0	3 4 6	Sonthal Perghs.
															ORISSA.
...	...	...	18 6	19 11	18 6	80 0	80 0	80 0	8 0	8 0	14 0	4 7 0	4 7 0	2 12 0	Cuttack.
...	...	...	11 13	13 2	13 2	80 0	80 0	70 0	10 8	10 8	13 2	3 8 0	3 8 0	2 12 0	Pooree.
...	...	...	13 0	13 0	13 0	140 0	140 0	160 0	Y 9 8	9 8	10 8	3 14 0	3 14 0	3 4 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
19 0	18 0	26 0	15 0	17 0	20 0	320 0	320 0	320 0	8 0	8 0	10 0	4 4 0	4 5 0	3 8 0	Hazaribagh.
24 0	26 0	46 0	19 0	20 8	28 0	140 0	140 0	120 0	9 0	7 8	10 0	4 6 0	4 15 0	3 12 0	Lohardugga.
...	...	...	18 0	20 0	20 0	260 0	240 0	320 0	7 3	6 8	9 0	5 8 0	5 8 0	4 0 0	Singbhoom
..	...	...	...	...	..	...	...	...	...	...	...	......	..	..	Manbhoom.

U In sub-divisions retail prices of salt per rupee are :—Hajipore 9¾ seers and Sitamarhi 10 seers.
V At Bettiah retail price of salt 10½ seers per rupee.
W In sub-divisions retail prices of salt per rupee are :—Begusarai 9½ seers and Jamui 9 seers.
X In Kishengunge and Arrareah sub-divisions retail price of salt 9 seers per rupee.
Y At Bhudruck retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ..	3 1 0	2 15 7	2 7 9	2 7 3	2 4 10	1 7 6	3 9 0	3 6 5	3 8 3	2 4 9	2 3 2	1 15 9
2	Serajgunge .	2 4 0	2 2 0	1 14 0	.	...	...	3 14 0	3 8 0	3 10 0	2 4 0	2 2 0	1 15 0
3	Dacca .	2 13 0	2 13 0	2 6 0	1 15 0	1 15 0	1 8 0	2 8 0	2 8 0	2 6 0	2 4 0	2 4 0	1 15 0
4	Naraingunge*	...	...	...	...	...	...	...	..	...	...	...	..
5	Chittagong .	3 4 0	3 4 0	2 12 0	...	...	...	2 15 0	3 0 0	2 14 0	2 3 0	2 3 0	1 14 0
6	Patna ...	2 5 0	2 3 6	1 12 0	1 12 0	1 12 0	1 4 0	3 7 0	3 7 0	3 0 0	2 5 0	2 4 6	1 12 0
7	Balasore ...	3 0 0	3 4 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	3 0 0	2 12 0	1 13 0	1 11 0	1 6 0
8	Pooree ...	...	...	...	...	.	-	...	.	..	1 15 0	1 15 0	2 0 8
9	Cuttack ...	2 10 0	2 10 0	2 4 0	.	.	...	3 10 0	3 10 0	3 10 0	2 10 0	2 2 0	2 2 0

* Return not received.

CALCUTTA,
The 29th October 1888.

undermentioned Marts of Bengal during the fortnight ending 15th October 1888.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum*)			Indian-corn or Maize. (*Zea Mays*)			Arhar or Thur. Cadjan Pea. (*Cajanus indicus*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 3 9	2 2 10	1 10 6	2 0 0	2 0 0	1 6 6	2 2 0	2 1 9	2 2 0	0 6 2	0 6 1	0 6 9	3 6 3	3 6 0	2 12 0	Calcutta.
3 4 0	2 10 0	2 0 0	..	...	.	...	...	...	...	...	..	3 15 6	3 11 0	3 2 0	Serajgunge
3 0 0	2 12 0	2 0 0	...	.	.	2 6 0	2 6 0	2 0 0	0 5 0	0 5 0	0 5 0	4 0 0	3 14 0	3 3 0	Dacca.
.	...	..	..	...	...	...		.	..	.			..	...	Naraingunge
4 0 0	3 0 0	2 6 0	.	.	..	3 8 0	3 8 0	3 4 0	0 6 0	0 6 0	0 8 0	3 14 0	3 14 0	4 6 0	Chittagong.
1 14 6	1 14 0	1 4 0	1 12 0	1 12 0	1 2 6	1 12 0	1 9 0	1 7 0	0 3 9	0 3 9	0 6 0	3 10 0	3 10 0	3 1 6	Patna.
3 0 0	2 14 0	2 6 0	.	.	.	3 0 0	3 0 0	3 0 0	0 5 0	0 5 0	0 4 6	3 14 0	3 14 0	3 4 0	Balasore.
...		-	.	.	.	.	..	.	...	...	...	3 8 0	3 8 0	2 12 0	Pooree.
2 2 0	(Kalu). 2 2 0	2 2 0	...	..	..	2 2 0	2 0 0	2 2 0	0 8 0	0 8 0	0 8 0	4 7 0	4 7 0	2 12 0	Cuttack.

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P. Nolan,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Air Pressure. Mean barometric height, 10 A.M.	Air Pressure. Mean reduced to sea-level.	Air Pressure. Variation from mean.	Wind. Prevailing direction.	Wind. Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree	30 012	30·024	—	NW	147·0	91·2	20th Oct.	69·2	20th, 23rd 24th Oct.	88·8	71·7	80·3	—	78·1
		Gopalpore	29·901	30·041	+·087	NNW	223·0	91·2	20th & 21st Oct.	67·9	23rd ,,	88·0	73·0	81·0	—1·3	86·2
		False Point	30 014	30·036	+·084	NNW	162 0	89·5	20th & 21st Oct	65 0	22nd ,,	87 6	68·3	77·9	—2·0	84 0
	Cuttack	Cuttack	29 958	30·040	+·093	Calm	27 0	92 9	20th, 21st & 26th Oct.	67·3	20th ,,	91·5	70·2	80·8	0	83·7
	Balasore	Balasore	29·990	30 050	+·093	Calm	47 4	89 4	20th & 21st Oct.	62 7	21st & 22nd Oct.	88 1	65·3	76·8	—2·6	80·4
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	30 009	30·035	+·076	Variable	127·0	88 2	20th, 25th & 26th Oct.	68·4	20th, 21st & 23rd Oct.	87·1	70·1	78 6	—1·2	82·6
	Midnapore	Midnapore	29 895	30·047	+·078	N	28·7	92·3	20th ,,	63·2	20th ,,	89 7	66·6	78·1	—1·0	83 6
	24-Pergunnahs, Howrah, Hooghly	Calcutta	30 014	30·036	+·073	North Westerly	24·0	87·5	20th ,,	60·7	21st ,,	86 2	70·2	78·2	—1·3	81 7
	Burdwan	Burdwan	29 938	30 039	+·072	NW	16·6	90 1	20th & 21st Oct.	66·4	20th & 21st Oct	89·6	68·8	79·1	—1·0	82·7
	Bankoora	Bankoora	29 722	—	—	Calm	27·0	91 8	20th ,,	63 7	20th ,,	89·5	67·6	78·6	—	84·3
	Beerbhoom, West Burdwan	Raneegunge	29 701	30 012	+ 075	South Westerly	24·6	91·5	20th ,,	64·0	20th ,,	90 3	68 4	79 3	—0·4	83·6
	Moorshedabad	Berhampore	29 974	30·043	+·082	NW	37 0	88 6	20th ,,	66 2	20th ,,	87 3	70 2	78·8	—1·1	81·9
	Nuddea	Krishnaghur	29 908	30 005	+·111	NW	40 7	88·8	20th, 24th & 25th Oct	63·9	20th ,,	88 1	67 4	77 8	—2 8	83·5
	Jessore, Khoolna	Jessore	30·008	30 042	+·079	Variable	36·9	89 7	20th & 26th Oct	66 5	20th & 21st Oct	88 7	68 9	78 7	—1·2	83 4
East Bengal.	Chittagong	Chittagong	29·937	30 028	+·077	NE	24·0	88·6	26th ,,	67 5	20th ,,	86 8	71 1	79·0	—0·1	82·9
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	30 012	30·094	+·094	N	28 4	88 3	20th & 25th Oct	67 9	21st ,,	86·9	69 7	78 3	—0 5	83 6
	Noakholly	Noakholly	29 986	30 030	—	Calm	19·6	86·5	25th ,,	65 1	22nd ,,	85·1	68·3	76·7	—	81·8
	Furreedpore	Furreedpore	30 009	30·010	+·109	Northerly	19 9	86·5	20th & 26th Oct	66 4	23rd ,,	85 7	68 6	77·2	—2 2	82·5
	Dacca	Dacca	30 004	30 027	+ 088	Notrh Westerly	34·0	80 1	20th ,,	68 6	20th, 22nd & 23rd Oct.	88·0	70 3	79 1	—0 8	83 9
	Commillah	Commillah	29 993	30 029	+ 092	N	15 3	88 9	25th ,,			87 9	—	—		
	Mymensingh	Mymensingh	29 980	30 039	+·097	N Easterly	42·5	86 9	22nd ,,	65 6	23rd ,,	86 2	67 5	76 9	—2·8	82·6
North Bengal.	Bogra	Bogra	29 957	30 021	—	Calm	21·1	88 3	26th ,,	63 9	20th ,,	87 6	66 6	77 1	—	81·8
	Pubna	Serajgunge	29 989	30·036	+·087	ENE	20 9	87·6	20th ,,	62 8	20th ,,	86 6	65 8	76 2	—2 6	82·8
	Rajshahye	Rampore Beauleah.	29·972	30 043	+·101	NNE	67 3	87·8	20th ,,	65 7	20th ,,	86 9	69 2	78·1	0	82·2
	Maldah	Maldah	29 922	—	—	NW	53 0	89 7	20th ,,	62 5	20th ,,	88 6	67 1	77·9	—	83 9
	Dinagepore	Dinagepore	29·910	30 032	+ 070	NE	30 6	87·1	20th & 22nd Oct.	?	—	86·7	?	?	?	83·8
	Rungpore	Rungpore	29·916	30 043	+ 057	NE	33 1	88 3	20th ,,	64 2	20th ,,	87 4	66 8	77·2	—1·3	83 7
	Julpigoree, Cooch Behar	Julpigoree	29·762	30 053	—·077	SE	41 9	87 9	22nd ,,	64 9	21st ,,	86 6	67 0	76·3	—0·3	81·0
	Darjeeling Hill Tracts	Darjeeling	30 121	—	—·044	ENE	70 3	61·1	22nd ,,	46·2	23rd ,,	58 8	47 5	53 2	—0·7	82·4
North Behar.	Purneah, North Bhagulpore	Purneah	29·927	30·056	+·092	E	24·2	87·7	23rd ,,	60 7	20th ,,	87 0	64 8	75 9	—2·1	56·9
	Mozufferpore	Mozufferpore	Observations suspended.													82·6
	Durbhunga	Durbhunga	29 875	30 047	+·094	ESE	40 0	85·4	20th Oct	68 8	21st ,,	84 3	71 0	77 7	—0·3	79 8
	Chumparun	Motihari	29·814	30·045	+ 119	Easterly	100·5	89·7	20th, 23rd 24th, 25th ,,	60 8	21st ,,	89 1	67 3	78 2	+2 2	84·2
	Sarun	Chupra	29·828	30 025	+ 064	ESE	36·2	88 5	24th ,,	64 8	20th ,,	86 5	68 3	77 4	—0·3	86·1
South Behar.	Shahabad	Dehree	29·669	30 029	+ 061	SSW	99 9	90·8	20th & 21st Oct.	65·0	21st ,,	90 1	68·5	79 3	+2 7	81·8
		Buxar	29 700	30·035	+·067	SE	74 7	91·4	21st ,,	64·9	20th ,,	89 7	68 7	79 2	+1 1	84·9
		Arrah	29 840	30 010	+·077	SSE & E	14 6	90 9	20th & 21st Oct	63·8	20th & 21st Oct.	89 7	67 1	78 4	+1·2	83 1
	Gya	Gya	29 649	30 013	+ 058	Calm	56 1	91·4	21st ,,	64 2	21st ,,	90 2	67 5*	78 9	+0 7	82·0
	Patna	Bankipore	29 867	30 053	+·074	ENE	30 3	89 9	20th ,,	65·8	20th ,,	87 7	70 9	79 3	+1·4	83·9
	South Bhagulpore, Monghyr	Bhagulpore	29 887	30 051	+·099	Northerly	22·0	87 2	25th & 26th Oct	64 0	20th ,,	86 6	68 4	77 5	0	83·2
	Sonthal Pergunnahs	Doomka	29 537	—	—	Calm	19·8	89·1	20th & 26th Oct.	61·9	20th ,,	88 3	66·8	77·5	—	83·2
Chota Nagpore.	Hazaribagh	Hazaribagh	28 010	30 031	+·075	Variable	92·0	85·4	20th & 22nd Oct.	63·8	20th, & 22nd Oct	84 8	65 2	75 0	+2·0	80·3
	Lohardugga, Manbhoom	Ranchee	27·887	30·023	+·065	Variable	67 9	85·0	20th & 26th Oct.	60·4	20th ,,	83·7	61 8	72 8	—0·6	78·6
	Singbhoom	Chyebassa†	29 268	—	—	SSW	12·3	90·9	26th ,,	61·2	22nd ,,	89 6	64 6	77·1	—	83·3
	......	Sibsagar	29 748	30·088	+·084	NE	45	84 6	22nd, 24th & 26th Oct.	63·8	24th ,,	84 1	66 2	75·2	—0·5	78·0
	......	Dhubri	29·937	30 056	+·086	ENE		86·7	25th ,,	67 9	20th ,,	80 0	70 1	78 1	—0 3	79·0
	......	Silchar	?	?	?	ENE	24	92·5	2nd ,,	66·8	22nd ,,	90 7	68 8	79·8	+1·1	83·3

Remarks.—Summary.—The normal means of air pressure and temperature ar the arithmetical average or means of the reading during the same period or the last ten years

The *humidity* of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number

the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 21

...s in the district sending in returns divided by the number of stations A rainy day is one on which at least hundredth of an inch fell.

* Mean of 6 days.

† Mean of 5 days.

for the week ending Friday, the 26th of October 1888.

Average [illegible] at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.*	Meteorological Division.
71	0	0·34	0·18	2·21	1·03	7·24	−5·32	40·05	51·67	−11·62	0·3	2·0	Pooree	Pooree	Orissa.
54	2·0	0·04											Gopalpore		
61	1·9	Nil											False Point	Cuttack	
55	1·4	Nil	Nil	1·57	1·13	4·94	−3·81	40·56	40·47	+0·09	0·0	1·6	Cuttack	Balasore	
69	0·3	Nil	Nil	0·85	1·12	4·68	−3·56	52·17	50·94	+1·23	0·0	1·2	Balasore	South-West Midnapore	South-West Bengal.
66	1·7	Nil	Nil	2·43	2·15	7·02	−4·87	54·88	60·25	−5·37	0·0	1·8	Saugor Island	South 24-Pergunnahs Midnapore	
55	0·6	Nil	Nil	1·01	1·37	3·98	−2·61	62·30	50·23	+12·07	0·0	1·0	Midnapore	24-Pergunnahs	
60	0·1	Nil	Nil	0·76	2·02	3·83	−1·81	61·81	50·10	+11·71	0·0	1·1	Calcutta	Howrah Hooghly Burdwan	
58	0	Nil	Nil	0·85	0·58	3·72	−3·14	53·26	45·55	+7·71	0·0	1·2	Burdwan	Bankoora	
46	0·3	Nil	Nil	0·76	0·57	3·65	−3·08	51·42	51·13	+0·29	0·0	1·1	Bankoora	Beerbhoom	
50	0·6	Nil	Nil	0·53	0·66	3·25	−2·59	55·44	50·66	+4·78	0·0	1·0	Raneegunge	West Burdwan Moorshedabad	
[illegible]	1·3	Nil	Nil	0·38	1·66	4·07	−2·41	46·14	49·54	−3·40	0·0	0·8	Berhampore	Nuddea	
[illegible]	1·1	Nil	Nil	0·91	1·88	3·96	−2·08	53·15	48·06	+5·09	0·0	1·2	Krishnaghur	Jessore	
64	0·7	Nil	Nil	1·02	1·52	4·07	−2·55	43·51	51·74	−8·23	0·0	1·3	Jessore	Khoolna Chittagong	
74	0·6	Nil	Nil	1·49	7·11	6·04	+1·07	125·77	109·79	+15·98	0·0	1·7	Chittagong	Chittagong Hill Tracts	East Bengal.
			Nil	1·15	6·07	6·04	−0·57	72·06	77·48	−5·42	0·0	1·3	Demagiri	Backergunge	
64	0·7	Nil	Nil	1·05	8·10	5·08	+3·02	72·15	74·06	−1·91	0·0	1·4	Barrisal	Noakholly	
39	0·3	Nil	Nil	1·00	12·57	6·11	+6·46	107·50	102·90	+4·60	0·0	1·2	Noakholly	Furreedpore	
[illegible]	0·7	Nil	Nil	0·75	0·84	4·16	−3·32	40·91	54·76	−7·85	0·0	1·3	Furreedpore	Dacca	
[illegible]	0·7	Nil	Nil	0·67	1·61	4·04	−2·43	55·66	58·01	−2·35	0·0	1·1	Dacca	Commillah	
	0·6	Nil	Nil	0·80	3·54	4·90	−1·36	61·43	67·29	−5·86	0·0	1·0	Commillah	Mymensingh	
	1·4	Nil	Nil	1·05	3·05	5·03	−1·98	66·39	66·14	+0·25	0·0	1·2	Mymensingh	Bogra	North Bengal.
	0	Nil	Nil	0·44	0·52	4·31	−3·79	42·80	56·27	−13·47	0·0	0·7	Bogra	Pubna	
	0·7	Nil	Nil	1·00	0·97	4·41	−3·44	40·95	52·34	−11·39	0·0	1·5	Serajgunge	Rajshahye	
	1·3	Nil	Nil	0·63	1·25	4·24	−2·99	44·12	52·90	−8·78	0·0	0·9	Rampore Beauleah	Maldah	
	0	Nil	Nil	0·40	1·49	3·23	−1·74	39·64	52·99	−13·35	0·0	0·7	Maldah	Dinagepore	
	0·1	Nil	Nil	0·33	0·60	3·63	−3·03	45·21	56·65	−11·44	0·0	0·6	Dinagepore	Rungpore	
	0	Nil	Nil	0·50	0·32	4·53	−4·21	55·05	72·45	−17·40	0·0	0·7	Rungpore	Julpigoree	
	0	Nil	Nil	0·77	1·09	5·40	−4·31	85·74	110·00	−24·26	0·0	1·0	Julpigoree	Cooch Behar Darjeeling Hill Tracts	
	6·0	Nil	Nil	1·00	1·99	5·66	−3·67	97·56	119·27	−21·71	0·0	1·1	Darjeeling	Purneah	North Behar.
	1·7	Nil	Nil	0·47	0·04	3·14	−3·10	47·46	57·55	−10·09	0·0	0·5	Purneah	North Bhagulpore Mozufferpore	
			Nil	0·42	Nil	3·13	−3·13	39·10	42·41	−3·31	0·0	0·4	Mozufferpore	Durbhunga	
	1·6	Nil	Nil	0·46	Nil	2·75	−2·75	38·48	44·16	−5·68	0·0	0·4	Durbhunga	Chumparun	
	2·1	Nil	Nil	0·06	Nil	3·36	−3·36	40·77	45·71	−4·94	0·0	0·3	Motihari	Sarun	
	1·7	Nil	Nil	0·45	Nil	4·27	−4·27	37·20	41·84	−4·64	0·0	0·4	Chupra		
	2·0	Nil											Dehree	Shahabad	South Behar.
	1·7	Nil	Nil	0·56	0·43	3·19	−2·76	41·85	38·70	+3·25	0·0	0·4	Buxar		
	1·9	Nil											Arrah	Gya	
	3·1	Nil	Nil	0·37	0·01	2·68	−2·67	48·52	40·31	+8·21	0·0	0·4	Gya	Patna	
	3·1	Nil	Nil	0·64	0·07	3·03	−2·96	46·10	40·17	+5·93	0·0	0·5	Bankipore	South Bhagulpore	
	1·0	Nil	Nil	0·55	0·55	2·88	−2·33	47·97	42·38	+5·59	0·0	0·6	Bhagulpore	Monghyr Sonthal Pergunnahs	
	0·3	Nil	Nil	0·62	0·47	3·52	−3·05	51·45	49·88	+1·57	0·0	0·6	Doomka	Hazaribagh	Chota Nagpore.
	3·0	Nil	Nil	0·34	4·37	2·90	−1·62	55·32	49·25	+6·07	0·0	0·7	Hazaribagh	Lohardugga	
	0·7	Nil	Nil	0·56	Nil	2·62	−2·62	49·71	47·41	+2·30	0·0	0·9	Ranchi	Manbhoom	
			Nil	0·70	0·39	3·23	−2·84	45·91	45·94	−0·03	0·0	1·0		Singbhoom	
	1·0	Nil	Nil	0·76	0·05	2·54	−2·49	39·84	49·97	−10·13	0·0	1·4	Chyebassa	......	
	2·1	Nil											Sibsagar	....	Assam.
	0·3	Nil											Dhubri	......	
	3·0	0·67											Silchar		

...ns are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...nd amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the [illegible]
... means of the [illegible]istri[illegible]t are the numerical average of the rainfall return received in the district, [illegible] from total rainfall at the [illegible]

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 26th of October 1888

Meteorological division.	District.	Station.	Rainfall. Saturday, 20th October.	Sunday, 21st October.	Monday, 22nd October.	Tuesday, 23rd October.	Wednesday, 24th October.	Thursday, 25th October.	Friday, 26th October.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ..	Pooree ...	Pooree ...	...	...	...	...	...	0·72	...	1	0·72	1·75	7·91	32·69	47·10
		Khurdah ...	...	...	...	...	...	...	...	Nil	Nil	0·57	6·27	38·64	53·49
		Banpur ...	...	...	...	...	...	...	...	Nil	Nil	2·23	5 28	33·13	46·16
		False Point ...	...	...	...	...	...	...	...	Nil	Nil	3·14	9·40	51·03	59·78
		Gop ...	...	...	...	...	...	...	...	Nil	Nil	0 73	?	?	?
		Pipli ..	...	...	...	...	...	...	...	Nil	Nil		?		?
	Cuttack .	Jagatsingpore	...	...	...	...	...	...	...	Nil	Nil		6·19		44·52
		Banki ..	...	...	...	...	...	...	...	Nil	Nil	0·51	3 76	41·21	47·92
		Cuttack ...	...	...	...	...	...	...	...	Nil	Nil	1 41	4·94	40·86	53·86
		Kendrapara ...	...	...	...	...	...	...	...	Nil	Nil	0 55	5·34	43·08	50 65
		Jajpore ...	...	...	...	...	...	...	...	Nil	Nil	2·05	4·40	58·66	51·04
		Dharmsala .	...	...	...	...	...	...	...	Nil	Nil	1·30	?	55 61	[illegible]
		Saltpore ..	...	...	...	...	...	...	...	Nil	Nil		?		
	Balasore ...	Chandballi ...	...	...	...	...	...	...	...	Nil	Nil	0·30	5·64	47 97	43·89
		Bhuddruck .	...	...	...	...	...	...	...	Nil	Nil	1·21	4·02	40·44	40 35
		Sorah ...	...	...	...	...	...	...	...	Nil	Nil	1·38	4·40	46·51	48·88
		Balasore ..	...	...	...	...	...	...	...	Nil	Nil	2·08	5 75	56 55	55·36
		Jellasore ..	...	...	...	...	...	...	...	Nil	Nil		4·19		51·30
		Baripodah .	...	...	...	...	...	...	...	Nil	Nil	0·67	4 04	52·65	52·54
SOUTH-WEST BENGAL.	Midnapore ...	Contai	...	...	...	...	...	...	...	Nil	Nil	0·93	7·70	52·27	59·25
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	2·01	8 63	51 16	64·63
		Tumlook ..	...	...	...	...	...	...	...	Nil	Nil	1·40	3 93	64·80	49·65
		Midnapore ..	...	...	...	...	...	...	...	Nil	Nil	2·45	4 43	63·85	47·35
		Ghattal .	...	...	...	...	...	...	...	Nil	Nil	0 27	3 55	55 97	53 50
		Kukrahaty .	...	...	...	...	...	...	...	Nil	Nil	2 96	?	64·89	?
		Heria .	...	...	...	...	...	...	...	Nil	Nil	1 23	?	51·02	?
		Bhagwanpore	...	...	...	...	...	...	...	Nil	Nil	2·71	?	48·69	?
		Garbeta ..	...	...	...	...	...	...	...	Nil	Nil	0·22	?	64·16	?
	24-Pergunnahs	Diamond Harbour .	...	...	...	...	...	...	...	Nil	Nil	3·51	4·74	56·89	56 85
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	0 15	?	55·17	?
		Alipore Jail .	...	...	...	...	...	...	...	Nil	Nil	2·52	4·02	50·65	53 76
		Barrackpore .	...	...	...	...	...	...	...	Nil	Nil	1 70	3·23	54 08	46·64
		Dum-Dum .	...	...	...	...	...	...	...	Nil	Nil	2 87	4·04	62·30	50·28
		Barasat ..	...	...	...	...	...	...	...	Nil	Nil	1·76	4 25	62 92	47·76
		Buseerhat ...	...	...	...	...	...	...	...	Nil	Nil	1·04	3·88	50 70	52·10
	Howrah ...	Howrah .	...	...	...	...	...	...	...	Nil	Nil	2 37	3 91	62 52	50·4[illegible]
		Mohesroka (*Ooloberiah.*)	...	...	...	...	...	...	...	Nil	Nil	1·82	3 16	58·23	50 44
	Hooghly ..	Serampore ...	...	...	...	...	...	...	...	Nil	Nil	2·52	3·83	63·04	49·8[illegible]
		Hooghly ...	...	...	...	...	...	...	...	Nil	Nil	3·51	3·85	64 81	46·[illegible]
		Jehanabad ..	...	...	...	...	...	...	...	Nil	Nil	0·06	4 19	60·52	53·[illegible]
	Burdwan ...	Culna ..	...	...	...	...	...	...	...	Nil	Nil	0·53	3·09	56·48	42·[illegible]
		Burdwan ..	...	...	...	...	...	...	...	Nil	Nil	0 71	3·03	43 81	46[illegible]
		Cutwa ..	...	...	...	...	...	...	...	Nil	Nil	0 48	3·82	58·77	46[illegible]
		Raneegunge .	...	...	...	...	...	...	...	Nil	Nil	0·11	3·20	56·40	47[illegible]
		Mankur ...	...	...	...	...	...	...	...	Nil	Nil	0·30	?	42 09	
	Bankoora ...	Bankoora ...	...	...	...	...	...	...	...	Nil	Nil	1 72	3 97	47·15	50[illegible]
		Bishenpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·53	53 28	50[illegible]
		Mahara ..	...	...	...	...	...	...	...	Nil	Nil	0 52	3·78	49 18	50[illegible]
		Khatra ...	...	...	...	...	...	...	...	Nil	Nil	Nil	4·34	51·70	52[illegible]
		Indas ...	...	...	...	...	...	...	...	Nil	Nil	0·17	?	40 80	[illegible]
		Kotalpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46 84	[illegible]
		Anda	...	...	...	...	...	...	...	Nil	Nil	0 90	?	37 81	[illegible]
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	1·17	?	55 21	
		Raipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	54 57	
		Sonamukhi ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	44·35	
	Beerbhoom .	Bh. Soory ..	...	...	...	...	...	...	...	Nil	Nil	1·10	3 49	51·96	5[illegible]
		Hetampore .	...	...	...	...	...	...	...	Nil	Nil	0·61	2·74	45·79	5[illegible]
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	0 80	3·60	66·70	50[illegible]
		Bolpore ..	...	...	...	...	...	...	...	Nil	Nil	3·46	?	60 28	[illegible]
		Muraras .	...	...	...	...	...	...	...	Nil	Nil	1 06	?	?	[illegible]
	Nuddea ...	Ranaghat ..	...	...	...	...	...	...	...	Nil	Nil	1·26	3·37	58·06	[illegible]
		Kishnaghur ...	...	...	...	...	...	...	...	Nil	Nil	5 51	4·08	67·24	[illegible]
		Choordanga ..	...	...	...	...	...	...	...	Nil	Nil	1·72	4·13	51·08	[illegible]
		Meherpore ...	...	...	...	...	...	...	...	Nil	Nil	0·40	3·52	46 71	[illegible]
		Kooshtea ..	...	...	...	...	...	...	...	Nil	Nil	0·50	4 71	36·00	[illegible]
	Khoolna ..	Satkhira ...	...	...	...	...	...	...	...	Nil	Nil	0·54	4·31	37·52	[illegible]
		Bagirhat ...	...	...	...	...	...	...	...	Nil	Nil	1·39	4·00	49 97	[illegible]
		Khoolna ...	...	...	...	...	...	...	...	Nil	Nil	2·10	3 89	48·34	[illegible]
	Jessore ..	Narail .	...	...	...	...	...	...	...	Nil	Nil	0·90	3 38	27·85	[illegible]
		Jessore ...	...	...	...	...	...	...	...	Nil	Nil	1·08	3·85	74·14	[illegible]
		Jhenidah ..	...	...	...	...	...	...	...	Nil	Nil	0·47	4 5[illegible]	34·92	[illegible]
		Magoorah ...	...	...	...	...	...	...	...	Nil	Nil	2·73	3 55	41·37	[illegible]
		Bongong ...	...	...	...	...	...	...	...	Nil	Nil	3·05	4 20	47·80	[illegible]
	Moorshedabad	Kandi ..	...	...	...	...	...	...	...	Nil	Nil	0·67	3·77	49 14	[illegible]
		Berhampore .	...	...	...	...	...	...	...	Nil	Nil	0·63	4·27	39 02	[illegible]
		Lalbagh ..	...	...	...	...	...	...	...	Nil	Nil	2·32	4 50	43·19	[illegible]
		Azimgunge ...	...	...	...	...	...	...	...	Nil	Nil	2·62	4 40	?	[illegible]
		Jungipore ..	...	...	...	...	...	...	...	Nil	Nil	3·24	3·14	44·85	
		Lalgola ...	...	...	...	...	...	...	...	Nil	Nil	0·59	4·26	50·20	
		Jiagunge ...	...	...	...	...	...	...	...	Nil	Nil	2·60	?	45·60	
		Akhriganj ...	...	...	...	...	...	...	...	Nil	Nil	0·59	?	45 93	
		Patkabari ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	42·24	
EAST BENGAL	Chittagong ...	Cox's Bazar ..	...	...	...	...	...	...	...	Nil	Nil	10·01	6·68	146·44	[illegible]
		Chittagong ...	...	...	...	...	...	...	...	Nil	Nil	4·24	5 30	105·08	[illegible]
		Kutubdia ...	...	...	...	...	...	...	...	Nil	Nil	12·65	?	116·99	[illegible]
		Satkanya ...	...	...	...	...	...	...	...	Nil	Nil		?		[illegible]
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	...	...	...	...	Nil	Nil	5·02	6·48	74·76	[illegible]
		Ruma ...	...	...	...	...	...	...	...	Nil	Nil	7·13	6·78	69·35	[illegible]
	Backergunge	Putuakhally ..	...	...	...	...	...	...	...	Nil	Nil	8·01	5 54	85·60	[illegible]
		Perozepore .	...	...	...	...	...	...	...	Nil	Nil	0·89	5·27	61·21	[illegible]
		Burrisal ..	...	...	...	...	...	...	...	Nil	Nil	8·97	4·41	65·15	[illegible]
		Bhola ...	...	...	...	...	...	...	...	Nil	Nil	14·50	5·08	74·40	[illegible]

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 26th of October 1888—contd.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 20th October.	Sunday, 21st October.	Monday, 22nd October.	Tuesday, 23rd October.	Wednesday, 24th October.	Thursday, 25th October.	Friday, 26th October.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—concld.		*Gournaddi* ...	...	...	...	...	...	...	...	Nil	Nil	2·53	?	48·28	?
		Bauphal ...	...	...	...	...	...	...	...	Nil	Nil	15·35	?	98·35	?
	Noakholly	Noakholly ...	...	...	...	...	...	...	...	Nil	Nil	16·80	6·64	100·90	104·51
		Fenny .	...	...	...	...	...	...	...	Nil	Nil	8·24	5·55	104·13	101·24
		Harishpore ...	...	...	...	...	...	...	...			7·08	?	129·53	?
		Ramganj ...	...	...	...	...	...	...	...	Nil	Nil	13·86	?	87·91	?
	Furreedpore	Madaripore ..	...	...	...	...	...	...	...	Nil	Nil	1·08	3·82	44·08	50·24
		Furreedpore...	...	...	...	...	...	...	...	Nil	Nil	0·81	4·04	51·51	55·04
		Goalundo ..	...	...	...	...	...	...	...	Nil	Nil	0·63	4·61	43·08	51·83
	Dacca ...	Munshigunge	...	...	...	...	...	...	...	Nil	Nil	1·47	4·80	59·97	67·83
		Dacca .	...	...	...	...	...	...	...	Nil	Nil	1·56	3·65	51·88	57·06
		Naraingunge	...	...	...	...	...	...	...	Nil	Nil	2·28	4·05	6[illegible]·80	58·14
		Manickgunge	...	...	...	...	...	...	...	Nil	Nil	1·03	3·57	45·38	48·04
		Joydebpore .	...	...	...	...	...	...	...	Nil	Nil	1·15	?	58·39	?
	Hill Tipperah	Agartola ..	...	...	...	...	...	...	...	Nil	Nil	Nil	4·86	53·03	59·33
	Tipperah ...	Comilla ...	...	...	...	...	...	...	...	Nil	Nil	6·76	4·04	68·56	73·68
		Chandpore	...	...	...	...	...	...	...	Nil	Nil	3·78	6·16	56·55	76·04
		Brahmunberia	...	...	...	...	...	...	...	Nil	Nil	3·61	4·53	69·46	59·35
		Ramchandrapore.	...	...	...	...	...	...	...	Nil	Nil	3·58	?	59·45	?
		Nasirnagar ...	...	...	...	...	...	...	...	Nil	Nil	5·80	?	58·14	?
		Daudkandi ..	...	...	...	...	...	...	...	Nil	Nil	1·80	?	61·10	?
		Kasba ...	...	...	...	...	...	...	...	Nil	Nil	2·25	?	55·88	?
		Laksham ..	...	...	...	...	...	...	...	Nil	Nil	12·01	?	77·67	?
	Mymensingh...	Kishoregunge	...	...	...	...	...	...	...	Nil	Nil	8·19	5·12	82·18	69·56
		Atia (*Tangail*)	...	...	...	...	...	...	...	Nil	Nil	4·70	4·74	37·84	54·44
		Mymensingh	...	...	...	...	...	...	...	Nil	Nil	3·08	5·30	67·82	72·63
		Jamalpore ...	...	...	...	...	...	...	...	Nil	Nil	1·73	4·65	63·23	63·89
		Netrokona ...	...	...	...	...	...	...	...	Nil	Nil	2·54	5·36	77·50	71·10
		Subornakhally	...	...	...	...	...	...	...	Nil	Nil	2·17	?	59·22	?
		Durgapore ...	...	...	...	...	...	...	...	Nil	Nil	7·70	?	107·61	?
		Dewanganj ..	...	...	...	...	...	...	...	Nil	Nil	3·45	?	53·65	?
NORTH BENGAL.	Pubna	Pubna ...	...	...	...	...	...	...	...	Nil	Nil	0·37	4·50	39·08	52·97
		Serajgunge ...	...	...	...	...	...	...	...	Nil	Nil	1·57	4·21	41·55	51·02
	Bogra .	Sherpore ..	...	...	...	...	...	...	...	Nil	Nil	1·20	4·06	39·90	56·54
		Nowkhilla ...	...	...	...	...	...	...	...	Nil	Nil	0·51	5·10	48·35	53·68
		Bogra ...	...	...	...	...	...	...	...	Nil	Nil	0·27	3·76	40·37	59·54
		Panchbibi .	...	...	...	...	...	...	...	Nil	Nil	0·08	4·31	42·61	55·26
	Rajshahye	Beauleah .	...	...	...	...	...	...	...	Nil	Nil	2·10	4·24	30·85	52·03
		Nattore ..	...	...	...	...	...	...	...	Nil	Nil	0·40	4·22	58·68	58·71
		Naogaon .	...	...	...	...	...	...	...	Nil	Nil	0·15	?	35·76	?
		Lalpore ...	...	...	...	...	...	...	...	Nil	Nil	0·38	?	38·75	?
		Manda .	...	...	...	...	...	...	...	Nil	Nil	1·58	?	29·59	?
	Maldah ...	Maldah ..	...	...	...	...	...	...	...	Nil	Nil	1·80	3·98	47·36	50·54
		Chanchal ...	...	...	...	...	...	...	...	Nil	Nil	1·18	2·49	31·91	55·41
		Gajol ...	...	...	...	...	...	...	...	Nil	Nil	0·24	?	36·09	?
		Sibganj ...	...	...	...	...	...	...	...	Nil	Nil	0·55	?	45·10	?
	Dinagepore ...	Mohadebpore	...	...	...	...	...	...	...	Nil	Nil	0·85	3·24	37·29	57·76
		Churamon ..	...	...	...	...	...	...	...	Nil	Nil	0·79	2·85	44·65	52·58
		Raigunge ..	...	...	...	...	...	...	...	Nil	Nil	0·88	3·73	49·91	58·46
		Dinagepore	...	...	...	...	...	...	...	Nil	Nil	Nil	4·48	50·13	62·70
		Baloorghat	...	...	...	...	...	...	...	Nil	Nil	0·46	3·84	38·11	52·67
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	...	...	...	...	...	...	...	Nil	Nil	Nil	4·75	44·90	60·53
		Rungpore ..	...	...	...	...	...	...	...	Nil	Nil	0·10	4·53	50·65	74·08
		Kurigram ..	...	...	...	...	...	...	...	Nil	Nil	1·15	4·34	72·13	72·66
		Bagdogra	...	...	...	...	...	...	...	Nil	Nil	Nil	4·61	52·16	84·35
		(*Nilphamari* .	...	...	...	...	...	...	...	Nil	Nil	0·85	?	53·72	?
		Ulipore ...	...	...	...	...	...	...	...						
	Julpigoree ...	Julpigoree ..	...	...	...	...	...	...	...	Nil	Nil	1·08	4·94	103·13	116·24
		Alipore Doar	...	...	...	...	...	...	...	Nil	Nil	0·38	?	79·66	?
		Fallacotta ...	...	...	...	...	...	...	...	Nil	Nil	2·81	?	80·63	?
		Debiganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59·93	?
	Cooch Behar..	Dinhatta ...	...	...	...	...	...	...	...	Nil	Nil	0·35	5·78	89·35	92·03
		Cooch Behar .	...	...	...	...	...	...	...	Nil	Nil	1·38	4·87	88·46	117·36
		Mekligunge...	...	...	...	...	...	...	...	Nil	Nil	0·61	4·57	47·25	107·25
		Matabhanga...	...	...	...	...	...	...	...	Nil	Nil	1·01	7·04	72·39	115·99
	Darjeeling Hill.	Buxa .	...	...	...	...	...	...	...	Nil	Nil	5·52	9·38	154·10	189·85
		Silliguri ...	...	...	...	...	...	...	...	Nil	Nil	2·24	5·03	81·34	102·72
		Darjeeling ...	...	...	...	...	...	...	...	Nil	Nil	0·08	5·09	86·67	105·82
		Kalimpong ..	...	...	...	...	...	...	...	Nil	Nil	0·11	3·00	67·88	81·79
	Purneah ..	Kassengunge...	...	...	...	...	...	...	...	Nil	Nil	0·18	2·81	46·88	69·14
		Arrareah ..	...	...	...	...	...	...	...	Nil	Nil	Nil	3·19	50·50	62·52
		Purneah ..	...	...	...	...	...	...	...	Nil	Nil	Nil	3·29	43·61	60·24
		Gondwara ...	...	...	...	...	...	...	...	Nil	Nil	1·20	?	?	?
		Balarampore	...	...	...	...	...	...	...	Nil	Nil	1·08	?	?	?
		Manari ...	...	...	...	...	...	...	...	Nil	Nil		?		?
		Kaliaganj ...	...	...	...	...	...	...	...	Nil	Nil	1·10		55·94	
NORTH BEHAR	North Bhagulpore.	Maddepore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	3·80	55·36	48·58
		Soopool ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·59	40·99	47·38
		Protabganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	37·78	?
	Durbhunga ..	Tajpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3·03	39·80	42·26
		Durbhunga ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·85	35·21	46·08
		Madhubani ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·37	40·72	44·09
		Bahera ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50·70	?
		Rosehera ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	42·46	?
	Mozufferpore	Sitamarhi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·45	31·66	42·11
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	Nil	3·08	40·67	44·30
		Hajipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3·85	45·18	4[illegible]·04
		Paru ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	30·62	?
		Manua ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	55·41	?
		Seuhar ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	28·27	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	23·10	?
	Chumparun...	Motihari ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3·29	35·91	41·69
		Bettiah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3·42	46·58	47·61
		Bagaha ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	52·00	?
		Burhurwa ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	38·66	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 26th of October 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 20th October.	Sunday, 21st October.	Monday, 22nd October.	Tuesday, 23rd October.	Wednesday, 24th October.	Thursday, 25th October.	Friday, 26th October.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	5·51	36·00	43·15
		Sewan ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·90	40·33	42·89
		Chuprah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·40	35·24	39·51
SOUTH BEHAR	Shahabad ...	Buxar ...	......	......	......	......	......	......	......	Nil	Nil	0·60	3·14	40·74	37·19
		Dehree ...	......	......	......	......	......	......	......	Nil	Nil	1·36	3·26	42·92	37·41
		Bhuboosh ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·01	39·57	39·60
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·45	41·07	39·39
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	0·18	3·07	42·72	39·07
		Mohania ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	33·98	?
	Gya ...	Aurungabad ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·66	52·25	41·59
		Gya ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·13	49·82	41·33
		Nowadah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·49	47·67	38·83
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	0·03	3·42	44·70	39·39
		Arwal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·22	?
		Daudnagar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	41·71	?
		Sherrghati ...	......	......	......	......	......	......	......	Nil	Nil	0·62	?	32·64	?
		Rajauli ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	27·93	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·06	?
	Patna ...	Patna ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·19	39·04	40·89
		Dinapore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·00	41·39	40·40
		Behar ...	......	......	......	......	......	......	......	Nil	Nil	0·28	2·60	51·08	40·68
		Barrh ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·06	52·57	38·75
		Bickram ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·00	?
		Hilsa ...	......	......	......	......	......	......	......	Nil	Nil	0·15	?	45·44	?
	Monghyr	Begooserai ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·74	45·49	38·78
		Monghyr ...	......	......	......	......	......	......	......	Nil	Nil	Nil	3·21	53·22	45·14
		Jamui ...	......	......	......	......	......	......	......	Nil	Nil	0·36	2·50	47·80	42·03
		Gogri ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·40	?
		Sheikpura ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·18	?
	South Bhagulpore	Bhagulpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·93	52·81	41·12
		Banka ...	......	......	......	......	......	......	......	Nil	Nil	2·38	3·01	39·09	45·47
		Kolgong ...	......	......	......	......	......	......	......	Nil	Nil	0·80	?	50·19	?
	Sonthal Pergunnahs	Rajmehal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·82	45·31	51·14
		Godda ...	......	......	......	......	......	......	......	Nil	Nil	0·73	2·85	47·19	44·36
		Pakour ...	......	......	......	......	......	......	......	Nil	Nil	1·40	4·17	61·68	51·82
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	0·27	3·86	48·39	52·04
		Deoghur ...	......	......	......	......	......	......	......	Nil	Nil	0·03	3·88	50·21	48·91
		Jamtara ...	......	......	......	......	......	......	......	Nil	Nil	0·35	3·20	54·98	47·37
		Mohagama ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	
		Naninat ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	27·13	
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ...	......	......	......	......	......	......	......	Nil	Nil	3·45	2·82	54·59	46·32
		Hazaribagh ...	......	......	......	......	......	......	......	Nil	Nil	0·27	2·83	53·62	46·59
		Semtaguran ...	......	......	......	......	......	......	......	Nil	Nil	0·76	3·09	53·21	44·65
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	2·07	2·52	58·61	46·72
		Jhoomrah Hills	......	......	......	......	......	......	......	Nil	Nil	0·50	3·57	61·75	61·04
		Barhi ...	......	......	......	......	......	......	......	Nil	Nil	0·34	?	48·85	?
		Chatra ...	......	......	......	......	......	......	......	Nil	Nil	0·80	?	53·66	?
		Karagdeha ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	51·83	?
		Ramghur ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	44·38	?
	Lohardugga ...	Lohardugga ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·80	45·47	50·33
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·63	52·33	50·51
		Palamow ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·45	51·35	41·50
		Silli ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Balumat ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	42·42	?
		Hosseinabad ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Gurwah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	46·48	?
	Singbhoom ...	Chyebassa ...	......	......	......	......	......	......	......	Nil	Nil	0·05	2·54	30·79	50·01
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	Nil	?	54·15	?
		Ghatsilla ...	......	......	......	......	......	......	......	Nil	Nil	0·28	?	54·11	?
		Baharagura ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·55	?
	Manbhoom ...	Purulia ...	......	......	......	......	......	......	......	Nil	Nil	0·05	2·98	55·77	47·98
		Gobindpore ...	......	......	......	......	......	......	......	Nil	Nil	0·73	3·40	35·25	44·07
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	1·20	?	52·78	?
		Barrabhoom ...	......	......	......	......	......	......	......	Nil	Nil	0·00	?	50·51	?
		Jhalda ...													
		Chas ...													

* *Evaporation.* Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 30*th October* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 26TH OF OCTOBER 1888.

THE conditions which prevailed in Bengal at the close of the previous week were those which generally immediately precede the setting in of the cold weather in Bengal. During the present week, however, these conditions have, if anything, rather decreased in intensity, though still fine clear weather, with an almost complete absence of rain, has been reported in almost all cases throughout the week. Generally over the Bay a light northerly wind current has prevailed, and at the southern stations, along the Madras coast, fairly general rain has been reported, showing that the south-west monsoon current has partly recurred in the usual manner, but up to the present time the wind currents in Bengal have been very light and variable, and the steady northerly monsoon winds which usher in the cold weather have not yet set in.

Pressure.—At the commencement of the week pressure varied very slightly, and up to the 21st the changes were unimportant. From this date a steady rise of the barometer set in, which continued up till the 25th, and so rapid was the rise that on the 24th pressure was in excess of the normal by amounts varying between a tenth and a sixth of an inch, while on the 25th the excess ranged up to a fifth of an inch. This long oscillation then ceased, and pressure had fallen by small amounts on the morning of the 26th. For the whole province, taking into consideration only those stations at which reliable averages have been obtained, pressure for the week has been 0·08 inch in excess of the normal. In Assam the mean excess has been 0·085 inch.

Temperature.—Was at the commencement of the week decidedly below the normal, the defect in the mean temperature reported on the 20th averaging about 2° to 4°. On the 21st the defect had increased to from 3° to 4°, but from this date a continued increase in temperature was reported, which has lasted up to the close of the week. From the 22nd to the 24th the mean temperature was either in slight defect or not very far removed from the normal, but on the 25th the excess above the normal mean temperature ranged up to about 4° to 5°, while on the 26th it had increased to nearly 5° and 6°; and at Patna on this day the excess was 6·5°, and at Calcutta 6°. For the whole week the mean temperature of the province has been about half a degree below the normal; while in Assam temperature has been in excess by a tenth of a degree.

Winds.—The winds blowing over the province have been rather light and variable. Easterly winds commenced to set in near the hills on the 20th, and for the next two days the winds became more north-easterly; but for the last four days in the week the winds were decidedly irregular in direction, and the north-easterly current, which had commenced to blow, and which generally sets in with the cold weather, had to a considerable extent disappeared.

Humidity and cloud.—At the commencement of the week were both low; but from the 22nd there was a rather considerable increase in the humidity, and in the latter half of the week it was rather high. Cloud proportion remained low until the 25th, when the sky became rather heavily clouded in Behar, while the cloud proportion also increased in other districts.

Rainfall.—Except for a very light shower (0·07 inch) at Silchar on the 23rd, and for a rather heavy shower (0·72 inch) at Pooree on the 25th, the whole province has been rainless during the entire week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 26th of October 1888:—

Meteorological Divisions	Temperature: [illegible]	Lowest observed during week	Averages for week: Of highest of each day	Of lowest of each day	Of mean for each day	Average mean above or below normal	Rainfall of week: [illegible]	[illegible]	Variation	Rainy days: [illegible]	Average number for week	Variation	Since 1st of month: [illegible]	Normal average	Since 1st May: [illegible]	Average
Orissa	92 [illegible]	[illegible]2·7	88·8	69·7	70·[illegible]	−1·5	0·0[illegible]			0·1	1·6	−1	1·18	[illegible]	[illegible]	[illegible]
South West Bengal	92·3	63·2	89·5	68·7	78·6	−1·3	Nil	0·88	−0·88	0·0	1·1	−1·1	1	[illegible]	[illegible]	[illegible]
East Bengal	89·1	6[illegible]·1*	86·5*	69·3*	77·0*	−1·[illegible]*	Nil	0·[illegible]	−0·[illegible]	0·0	1·[illegible]	−1	4·[illegible]		[illegible]	[illegible]
North Bengal	89·7	62·5†	87·3†	67·1†	77·2†	−1·[illegible]†	Nil	0·[illegible]6	0·[illegible]6	0·0	0·7	[illegible]·7	0·[illegible]	[illegible]	[illegible]	[illegible]
North Behar	89·7	60·7	86·7	67·8	77·3	−0·2	Nil	0·40	−0·40	0·0	0·[illegible]	−0·[illegible]	0·01	[illegible]	[illegible]	[illegible]
South Behar	91·[illegible]	61·9	88·9	68·[illegible]	78·6	+1·2	Nil	0·[illegible]	−0·55	0·0	0·[illegible]	−0·[illegible]	0·3[illegible]	[illegible]	47·41	42·[illegible]
Chutia Nagpur	85·[illegible]‡	6[illegible]·[illegible]‡	8[illegible]·[illegible]‡	6[illegible]·5‡	7[illegible]	+0·7‡	Nil	0·[illegible]1	−0·61	0·0	0·[illegible]	−0·[illegible]	[illegible]	2·[illegible]	18·66	18·[illegible]
Assam	92·5	63·8	86·9	[illegible]8·[illegible]	[illegible]	+0·1										

[illegible] not included.
[illegible] report[illegible]
[illegible]

METEOROLOGICAL OFFICE, BENGAL,
The 30th October 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 21st to 27th October 1888.

M	Date.	ximum in sun.	Numbe bo bright hine.	Mean pressure at 32° Fahr.	Temperature.				Hygrometry.				Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
							R		an wet bulb.	V	Dew poi					
1888.		°		Inches.	°	°	°	°	°	Inches	°				Inches.	
Oct.	21st	138·5	10·8	29·893	76·1	85·0	18·1	66·9	70·1	0·658	66 8		Calm and variable..	20	Nii	Clear, ≡, ⌓.
	22nd	138·9	9·5	·912	76·9	85·5	16·7	68·8	71·8	·715	69·2		N by W and calm .	23	......	Chiefly clear, ≡, ⌓.
	23rd	147·0	10·0	·955	77·0	85 4	16·3	69·1	72·3	·731	69·8		Calm and variable.	23	......	Chiefly clear, ≡, ⌓.
	24th	146·7	9·1	30·00.		86·5	16·6	69·9	73·1	·758	70·9		Calm and variable ...	20	......	Chiefly clear, ≡,
	5th	137·7	10·3	·019	78·6	87·0	15·8	71·2		·757	70·9		NNW and calm ..	22	......	Chiefly clear, ≡ ⌓.
	26th	142·4	10·6	29·988	78·6	86·5	15·7	70·8	73·	·774	71·5	80	NNW and calm	34	......	Chiefly clear, ⌓.
	27th	140·7	10 2	·913	79·0	86·4	15·1	71·7	4·1	·777	71·6	79	N by W, calm and variable	26	......	Chiefly clear, ⌓.

	Inches.
The mean pressure of the seven days	29·955
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·860
	Hours.
The total number of hours of bright sunshine	70·5
The maximum possible number of hours of sunshine	79·9
	°
The mean temperature of the seven days	77·7
The average temperature of the corresponding period for 24 years, S. G.'s Office	79·8
The extreme variation of temperature	20·1
The maximum temperature	87·0
	Miles.
The highest velocity of the wind in one hour	6
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	79
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	78
	Inches.
The total fall of rain from 21st to 27th October 1888	Nil
The average fall of the corresponding period for 24 years, S. G.'s Office ...	1·65
The total fall from 1st January to 27th October 1888	66·58
The average fall of the corresponding period for 24 years, S. G.'s Office ...	64·15

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

≡ fog, ⌓ dew.

A. Pedler,
for Offg. Meteorological Reporter to the Govt. of India

Meteorological Office, Govt. of India;
Calcutta, the 29th October 1888

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 21st to 27th October 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches
October	21st ..	77·2	87 0	19·6	67·1	70 2	·646	66·2	69	Nil
"	22nd ...	78·4	86 2	16 4	69 8	73 5	·761	71 0	78	.
"	23rd ...	78·4	87·0	17·2	69 8	73·3	·753	70 7	78	..
"	24th .	77·9	88·0	18·0	70·0	74·1	·793	72 3	83	. .
"	25th ...	79·7	89 0	18·0	71·0	73·2	·731	69 9	72	...
"	26th ...	79·4	88·0	16·9	71 1	74·6	·793	72 3	79	.....
"	27th ...	79·9	88·5	16 7	71·8	74 3	·774	71 6	76	

	°
The mean temperature of the seven days	78·7
The extreme variation of temperature	21·6
The maximum temperature	89·0
	%
The mean relative humidity	76
	Inches
The total fall of rain from 21st to 27th October 1888	Nil

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 29*th October* 1888.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

THE returns of the principal Municipalities in Bengal for the week ending 6th October 1888 disclose the following results :—

1. That births and deaths were recorded in these Municipalities at the rates, respectively, of 24·5 and 31·3 per 1,000 of population, against 25·8 and 34·6 per 1,000 in the preceding week, indicating a falling off in the registration of both.

2. That the following Municipalities returned the highest proportions of births and deaths : —

Births.	Ratio per mille.	*Deaths.*	Ratio per mille.
Naraingan]	74 5	Gya	84·0
Bhagulpore	49 8	Serampore	53 0
Monghyr	43 4	Monghyr	51·5
Serampore	41 2	Suburbs of Calcutta	44 5
Bali	38·6	Bhagulpore	42·5
Gya	32·1	Naraingan]	41·4
Hughli	30·9	Utterpara	37·8
		Purneah	34 6

3. That, as compared with the results of the preceding week, there was a diminution of mortality, to a more or less extent, from all the diseases (excepting small-pox and bowel-complaints), particularly from cholera and fever :—

	Ratio per mille during the weeks ending— 6th October 1888	29th September 1888.
Cholera	6·1	7 1
Small-pox	03	03
Fever	12 4	13 8
Bowel-complaints	3 7	3 5
Injury	3	5
Other causes	8·7	9 6

4. That the following Municipalities suffered pre-eminently from the diseases specified in the above table, excepting small-pox, bowel-complaints, and injury, the casualties from which were nowhere above normal :—

Cholera	Ratio per mille.	*Fever.*	Ratio per mille	*Other causes.*	Ratio per mille.
Utterpara	28 3	Gya	37·6	Serampore	25·5
Gya	21 8	Purneah	31·1	Gya	20·5
Monghyr	18 1	Darjiling	26 1	Monghyr	15 3
Bhagulpore	14 5	Naraingan]	20 7	Puri	12 6
Suburbs of Calcutta	9 5			Suburbs of Calcutta	12·2
Mozufferpore	7 3			Dacca	11 0
Howrah	5 7			Bhagulpore	9 9
Arrah	4 8				
Chupra	3 9				
Patna	2 6				

5. That the death-rates in relation to *Sex*, *Class*, and *Age* stood as follows :—

According to Sex.

	Ratio per mille.
Males	33 2
Females	29 0
Ratio of male deaths to every 100 female deaths	129

According to Class.

	Ratio per mille.
Christians	21·7
Hindus	33 9
Mahomedans	25 6
Other classes	36·4

According to Age.

	Ratio per mille.
Under 1 year	219·5
1 and under 5 years	46·9
5 " 10 "	19 8
10 " 15 "	11·8
15 " 20 "	18 3
20 " 30 "	22·4
30 " 40 "	22·8
40 " 50 "	21 4
50 " 60 "	38·2
60 years and upwards	67·2

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

The 29th October 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 6th October 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS							MORTALITY ACCORDING TO— Disease.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	7	7	14	10·7	10·7	21·4	100	..	..	10	4		5	19	..	..	15·2	6·1	...	7·6	20·0	16·8	8	11	23·9	35·7	72
Midnapore ...	Midnapore ...	16,927	16,633	33,560	9	2	11	13·9	3·1	17·0	450	..	...	6		..	4	10		.	9·3	.		6·2	15·5	23·2	5	5	15·4	15·6	100
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	11	12	23	14·8	16·1	30·9	91	.	.	6	1	...	1	8		..	8·1	1·3	...	1·3	10·7	12·1	4	4	10·8	10·6	100
Serampore ...	Serampore ...	13,559	12,937	26,496	11	10	21	21·6	19·6	41·2	110	1	...	8	5	...	13	27	1·9	.	15·7	9·8	...	25·5	53·0	53·0	16	11	61·4	44·2	145
	Utterpara ...	3,046	2,464	5,510	1	1	2	9·4	9·4	18·9	100	3	...	1				4	28·3	..	9·4	.	..	...	37·8	37·8	4	..	68·3	..	No female death.
Howrah ...	Howrah ...	53,153	37,660	90,813	19	17	36	10·9	9·7	20·6	111	10	..	16	13		7	46	5·7		9·1	7·4		4·0	26·2	22·3	27	19	26·4	26·2	142
	Bali ...	7,836	6,979	14,815	6	5	11	21·1	17·5	38·6	120	2	...	3	1		.	6	7·0		10·5	5·5	..	.	21·1	38·6	3	3	19·9	23·4	100
24-Pergunnahs ...	Suburbs of Calcutta ..	147,205	104,234	251,439	58	54	112	12·0	11·2	23·2	107	46	1	68	37	4	59	215	9·5	·2	14·1	7·7	·8	12·2	44·5	43·6	140	75	49·5	37·4	186
Nudea ...	Kishnaghur ...	13,263	14,214	27,477	3	1	4	5·6	1·9	7·5	300	...	.	4	.	1		5		..	7·5	...	1·9	.	9·5	16·1	3	2	11·5	7·3	150
	Ranaghat ...	4,028	4,655	8,683	...	.		...	...	...	....		..	1	...	.		1	..	.	6·0	.		..	6·0	6·0	1	..	12·9	..	No female death.
	Santipore ...	13,706	15,979	29,687	5	3	8	8·7	5·3	14·0	166	...	...			.	2	2	..	..		...		3·5	3·5	7·0	2	...	7·6	...	Ditto.
Jessore ...	Jessore ...	4,830	3,665	8,495	..	1	1	..	6·1	6·1	No male birth.		..	2	.	..		2	.	..	12·2	...	...	...	12·2	.	2	..	21·6	..	Ditto.
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	8	3	11	21·0	7·9	28·9	266	..	.	3		1	3	7	..	.	7·9	..	2·6	7·9	18·4	28·9	4	3	19·3	17·3	133
Darjiling ...	Darjiling* ...	5,029	2,947	7,976	1	.	1	6·5		6·5	No female birth.		..	4	...	..	..	4	.	.	26·1	...	...	.	26·1	19·5	3	1	30·9	17·6	300
Dacca ...	Dacca ...	42,782	37,379	80,161	9	11	20	5·8	7·1	13·0	81	3		6	2	..	17	28	1·9	..	3·9	1·3		11·0	18·2	14·2	9	19	16·9	26·4	47
	Narainganj ...	7,605	4,956	12,561	9	9	18	37·2	37·2	74·5	100	..		5	2	.	3	10			20·7	8·3	.	12·4	41·4	20·7	7	3	47·9	31·5	233
Chittagong ...	Chittagong ...	13,340	8,790	22,130	7	2	9	16·4	4·7	21·1	350	.		3	1		3	7		.	7·0	2·3		7·0	16·4	11·7	4	3	15·6	17·7	133
Tipperah ...	Comillah ...	8,153	5,353	13,506	1	4	5	3·8	15·4	19·3	25	..	...	1		...	1	2		.	3·8		.	3·8	7·7	15·4	1	1	6·4	9·7	100
Patna ...	Patna City ...	78,76[illegible]	81,475	160,237	32	20	52	10·3	6·5	16·9	160	8	..	26	9	2	16	61	2·6		8·4	2·9	·6	5·2	19·8	23·7	33	28	21·8	17·9	117
Gya ...	Gya ...	38,290	37,831	76,121	26	21	47	17·8	14·3	32·1	123	32		55	6	..	30	123	21·8	...	37·6	4·1	.	20·5	84·0	105·9	68	55	92·3	75·6	123
Shahabad ...	Arrah ...	20,960	22,505	43,465	17	7	24	20·3	8·4	25·7	242	4		12	2	1	2	21	4·8	...	14·3	2·4	1·2	2·4	25·1	53·8	9	12	22·3	27·7	75
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	11	10	21	13·4	12·2	25·6	110	6	.	7	2		7	22	7·3	..	8·5	2·4		6·5	26·8	24·3	13	9	29·3	23·8	144
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	18	18	36	14·2	14·2	28·4	100		..	15	1	.	8	24	.		11·8	·8	...	6·3	18·9	38·5	12	12	18·5	19·3	100
Sarun ...	Chupra ...	26,044	27,205	53,249	11	7	18	10·7	6·8	17·6	157	4		5	1	..	6	16	3·9	..	4·9	·9	.	5·9	15·6	32·2	9	7	18·0	13·4	128
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	33	22	55	29·9	19·9	49·8	150	16	.	20	...		11	47	14·5	.	18·1	.	..	9·9	42·5	50·7	21	26	36·8	48·6	80
Monghyr ...	Monghyr ...	28,154	29,366	57,520	28	20	48	25·3	18·1	43·4	140	20	..	16	3	...	17	57	18·1	...	16·3	1·8		15·3	51·5	39·8	28	29	51·7	51·4	96
Purneah ...	Purneah ...	8,463	6,553	15,016	1	2	3	3·5	6·9	10·4	50			9	1	...	...	10	..	...	31·1	3·5	...	..	34·6	13·9	6	4	36·9	31·7	150
Puri ...	Puri ...	13,247	11,537	24,784	5	6	11	10·5	12·6	23·1	85	...	.	1	4	..	6	11	.	...	2·1	8·4	.	12·6	23·1	25·3	7	4	27·5	18·0	175
	TOTAL ..	702,890	619,691	1,322,581	347	275	622	13·6	10·8	24·5	126	155	1	315	94	9	221	795	6·1	·03	12·4	3·7	·3	8·7	31·3	34·6	449	346	33·2	29·0	129

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains, as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorised form of age classification.

MORTALITY ACCORDING TO—

		13					14				
		Class.									
DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths among—					Ratio per 1,000 of population per annum.				
		Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.
Burdwan	Burdwan	...	17	2	...	...	...	37·3	10·1	...	...
Midnapore	Midnapore	...	8	1	...	...	...	18·0	7·2	...	...
Hughli	Hughli and Chinsurah ...	...	6	2	...	...	...	9·9	15·2	...	...
Serampore	Serampore	...	25	2	...	...	...	51·5	110·9	...	...
	Utterpara	...	4	...	...	...	...	39·0	...	...	..
Howrah	Howrah	...	33	12	...	1	...	25·2	30·4	...	215·8
	Bali	...	5	1	...	...	...	19·4	39·7	...	...
24-Pergunnahs ...	Suburbs of Calcutta ...	5	141	69	...	...	64·2	48·9	37·1	...	...
Nuddea	Kishnaghur	...	2	3	...	...	...	5·6	18·8	...	...
	Ranaghat	...	1	...	...	...	...	7·1	...	...	...
	Santipore	...	2	...	...	...	...	5·0	...	...	...
Jessore	Jessore	...	2	...	...	...	...	23·0	...	...	...
Rajshahye	Rampore Beauleah ...	...	4	3	...	...	...	21·0	15·9	...	...
Darjiling	Darjiling	...	4	...	...	...	...	45·2	...	...	...
Dacca	Dacca	...	10	18	...	...	...	12·9	25·8	...	...
	Narainganj	...	6	4	...	...	...	49·3	33·8	...	...
Chittagong	Chittagong	...	1	6	...	...	...	9·0	20·4	...	...
Tipperah	Comillah	...	...	2	...	...	...	...	14·1	..	...
Patna	Patna City	...	48	13	...	...	...	21·0	16·5	...	...
Gya	Gya	...	110	13	...	...	...	95·3	42·0	...	...
Shahabad	Arrah	...	17	4	...	...	...	28·5	16·8	...	...
Mozufferpore ...	Mozufferpore	...	13	9	...	...	...	22·5	37·5	...	...
Durbhanga ...	Durbhanga	...	20	4	...	...	...	21·5	11·8	...	...
Sarun	Chupra	...	13	3	...	...	...	16·4	13·0	...	...
Bhagulpore ...	Bhagulpore	...	37	10	..	...	...	48·4	30·2	...	...
Monghyr	Monghyr	...	48	9	...	...	...	55·8	37·2	...	...
Purneah	Purneah	...	7	3	...	...	...	39·7	27·6	...	...
Puri	Puri	...	11	...	...	...	...	23·3	...	...	...
	TOTAL ...	5	596	193	...	1	21·7	33·9	25·6	...	36·4

		15										16									
		Age.																			
DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths.										Ratio per 1,000 of population per annum.									
		Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	4	3	1	1	1	6	1	1	...	1	315·2	69·1	22·3	20·7	16·6	39·4	7·5	11·8	......	35·1
Midnapore	Midnapore	2	3	...	...	...	1	...	...	...	4	140·0	66·3	......	......	......	7·1	......	......	......	113·7
Hughli	Hughli and Chinsurah ...	3	...	..	...	...	1	2	...	2	...	165·4	......	......	......	......	6·8	14·8	......	31·8	......
Serampore	Serampore	6	1	1	4	...	5	...	3	4	3	439·4	28·8	20·7	93·7	......	48·3	......	46·2	106·6	112·1
	Utterpara	...	...	...	...	1	1	2	...	...	...	......	......	......	......	118·2	45·2	98·0	......	......	......
Howrah	Howrah	7	2	3	1	1	11	11	2	4	4	176·4	18·9	24·8	7·9	7·1	25·2	29·7	8·8	38·0	55·4
	Bali	...	2	1	1	1	...	...	1	...	...	......	104·1	48·8	43·8	39·0	......	......	26·9	......	......
24-Pergunnahs ...	Suburbs of Calcutta ...	31	24	10	4	17	44	36	17	15	17	338·3	77·2	26·3	11·6	49·1	39·4	36·4	26·0	46·0	62·1
Nuddea	Kishnaghur	...	1	2	...	...	2	...	...	...	...	......	21·1	30·3	......	......	21·6	......	......	......	......
	Ranaghat	...	...	...	1	...	...	...	...	...	...	......	......	......	59·9	......	......	......	......	......	......
	Santipore	2	...	...	...	...	...	...	...	...	...	123·1	......	......	......	......	......	......	......	......	......
Jessore	Jessore	...	...	...	...	...	...	1	...	...	1	......	......	......	......	......	......	33·9	......	......	113·5
Rajshahye	Rampore Beauleah ...	3	...	1	1	...	1	...	...	1	...	384·2	......	25·0	28·9	......	12·5	......	......	41·9	......
Darjiling	Darjiling	1	...	...	...	...	...	1	1	1	...	429·7	......	......	......	......	......	36·3	75·1	214·8	......
Dacca	Dacca	6	1	...	1	...	3	5	3	2	7	161·4	7·1	......	6·5	......	10·2	23·3	18·6	22·0	65·3
	Narainganj	2	...	...	...	...	...	2	3	2	1	372·8	......	......	......	......	......	48·6	112·0	132·8	79·8
Chittagong	Chittagong	...	1	1	...	...	1	1	...	3	...	......	26·4	20·8	......	......	11·2	15·6	......	143·8	......
Tipperah	Comillah	1	...	...	...	...	...	1	...	...	...	175·1	......	......	......	......	......	26·1	......	......	......
Patna	Patna City	13	14	5	5	...	6	6	2	3	7	156·8	49·9	15·4	13·1	......	10·8	13·4	5·5	11·0	26·4
Gya	Gya	15	11	7	1	3	13	15	18	19	21	435·8	90·0	53·0	7·7	29·8	45·9	61·3	95·8	150·3	212·2
Shahabad	Arrah	2	4	1	...	1	2	2	6	...	3	80·7	47·0	10·1	......	16·5	13·2	16·1	66·6	......	54·2
Mozufferpore ...	Mozufferpore	3	1	2	3	1	1	1	1	3	6	161·4	12·9	23·1	39·4	17·1	6·1	7·5	10·4	48·0	128·2
Durbhanga ...	Durbhanga	6	2	3	...	...	2	1	...	3	7	200·4	13·7	19·9	......	......	7·8	4·7	......	35·6	114·0
Sarun	Chupra	1	3	1	...	...	1	2	2	1	5	36·0	29·4	8·4	......	......	5·5	12·9	16·6	12·3	74·7
Bhagulpore ...	Bhagulpore	6	10	6	2	2	7	2	2	3	7	261·3	96·0	53·1	16·5	24·9	33·3	11·2	16·2	36·6	101·1
Monghyr	Monghyr	12	14	5	1	2	6	4	1	2	10	420·2	117·0	36·8	9·1	27·5	30·2	23·3	8·2	26·2	146·0
Purneah	Purneah	...	...	...	...	4	3	2	1	...	...	......	......	......	......	209·3	47·5	36·5	28·0	......	......
Puri	Puri	2	2	...	...	1	...	2	2	2	...	343·2	58·0	......	......	28·0	......	25·7	31·3	46·6	......
	TOTAL ...	128	99	50	26	35	117	100	66	70	104	219·5	46·9	19·8	11·8	18·3	22·4	22·8	21·4	38·2	67·2

OFFICE OF SANITARY COMMISSIONER FOR BENGAL;
The 29th October 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Offg. Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing quantities of Goods carried during the month of August 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
1,225	1. Grain ...	793	25,293	26,086	15,38,775	26,086	15,38,775	
....	2. Cotton ...	......	... ...	...	......	...	......	
320	3. Oilseeds ...	93	7,705	7,798	6,90,876	7,798	6,90,876	
737	4. Salt ...	9,141	666	9,807	8,83,281	9,807	8,83,281	
1	5. Piece-goods ...	1	......	1	4,500	1	4,500	
60	6. Metal ..	394	11	405	64,740	405	64,740	
36	7. Building materials	60	337	397	4,248	397	4,248	
1,942	8. Miscellaneous ...	9,764	23,566	33,330	39,18,783	33 330	39,18,783	
88	9. Fuel ...	3,599	106	3,705	39,808	3 705	39,808	
4 rafts.	10. Timber ...	405 c. ft.	800 c. ft.	1,205 c. ft.	3,002	1,205 c. ft.	3,002	
26 „	11. Bamboos ...	237 „	12,008 „	12,245 „	1,225	12,245 „	1,225	
4,409 & 30 rafts.	12. Total ...	23,845 & 612 c. ft.	57,684 & 12,808 c. ft.	81,529 & 13,450 c. ft.	71,49,238	81,529 & 13,450 c. ft	71,49,238	
4,124 & 17 rafts.	13. Total of same month last year	19,058 & 47 c. ft.	47,865 & 10,115 c. ft.	66,923 & 10,162 c. ft.	59,72,008	66,923 & 10,162 c. ft.	59,72,008	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	1,610	2,769	4,409
14A. Ditto empty boats, steamers &c. No.	1,356	161	1,517
15. Total number of boats plying passenger No.	1,220	1,619	2,839
15A. Ditto empty boats „	217	24	241
16. Total registered tonnage, cargo Tons	60,518	1,16,227	1,76,745
17. Total registered tonnage, passenger Tons	1,189	1,832	3,021
18. Ton mileage	......	... ..	...
19. Estimated value of cargo Rs.	31,61,469	39,83,542	71,45,011
20. Number of passengers No.	1,443	1,423	2 866
21. Rafts, bamboos C. ft.	237	12,008	12,245
22. Do., bullahs „	405	800	1,205
23. Estimated value of rafts Rs.	626	3,601	4,227
24. Tollage on boats „	15,322-15-0	25,730-4-0	41,053-3-0
24A. Fee for missing ticket ..	......	... ..	1 0-0
25. Compounded tollage on boats Rs.	.. ...	.	......
26. Tollage on rafts „	5-10-0	37-11-0	43-5-0
27.* Total tollage on boats per ton-mile ...	......	......	......
28. Ditto on rafts per 100 c. ft.	......	......	0-5-2

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	41,097	8	0
Total tollage of same month last year ...	34,075	13	2

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	2741	0	7
2. Tollage per month ...	41,097	8	0
3. Total ...	43,838	8	7
4. Amount paid into Treasury during the month ...	38,976	0	3
5. Balance due at the end of the month ...	4,862	8	4

* Boats in these rivers do not pay per mile.

Abstract for the month of August 1888 as compared with the corresponding month of the previous year.

	1888-89 During the month.	1888-89 To end of the month.	1887-88 During the month.	1887-88 To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage	41,097 8 0	81,837 13 8	34,075 13 2	92,670 11 11

CALCUTTA,
The 30th October 1888.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra for the month of September 1888.

Date.	River Ganges — Mirzapore.		Benares		Buxar		Dinapore.		Monghyr		Sahebgunge		Rampore Beauleah		Goalundo.		River Bhagiruthee — Berhampore		River Jellinghee — Sarupgunge.		River Brahmapootra. — Gowhatty.	
Distance. Miles	From Allahabad 86.		From Allahabad 134	From Mirzapore 48	From Benares 90.		From Benares 177.	From Buxar 87.	From Benares 287.	From Dinapore 110.	From Benares 381.	From Monghyr 94	From Benares 471	From Saheb gunge 90	From Benares 501.	From Rampore Beauleah 120.						
	Height over zero of gauge	Height over mean sea-level	Height over zero of gauge	Height over mean sea-level	Height over zero of gauge	Height over mean sea level	Height over zero of gauge	Height over mean sea level	Height over zero of gauge	Height over mean sea level	Height over zero of gauge	Height over mean sea level	Height over zero of gauge	Height over mean sea-level	Height over zero of gauge	Height over mean sea level	Height over zero of gauge	Height over mean sea level	Height over zero of gauge	Height over mean sea-level.	Height over zero of gauge	Height over mean sea-level.
1st	35 00	241 22	32 50	229 30	26 00	195 05	29 20	163 43	24 25	126 10	25 50	93 50	25 25	67 25	20 25	29 19	29 87	63 61	29 87	34 17	18 40	167 16
2nd	33 75	239 97	31 00	227 80	26 17	195 22	29 70	163 93	24 67	126 52	25 17	93 17	25 08	67 08	20 25	29 [illegible]	29 79	63 53	29 75	34 05	18 30	167 06
3rd	32 83	239 05	30 33	227 13	25 50	194 35	29 25	163 48	25 08	126 43	25 08	93 08	24 92	66 92	20 08	29 02	29 50	63 24	29 75	34 05	18 20	166 96
4th	31 83	238 05	29 00	225 80	25 08	194 13	28 90	163 13	24 58	126 43	25 00	93 00	24 83	66 83	20 08	29 02	29 29	63 03	29 71	34 01	17 90	166 66
5th	30 50	236 72	27 83	224 63	24 17	193 22	28 30	162 53	24 00	125 85	24 58	92 58	24 77	66 77	21 00	28 94	29 01	62 74	29 50	33 80	17 70	166 46
6th	29 42	235 64	27 08	223 88	23 42	192 47	28 00	162 23	23 17	125 2	24 17	92 17	24 77	66 67	19 92	28 86	28 92	62 66	29 33	33 63	17 50	166 26
7th	29 00	235 22	26 33	223 13	23 00	192 05	27 85	162 08	22 [illegible]	124 43	23 67	91 67	24 42	66 42	19 83	28 77	28 67	62 41	29 17	33 47	17 30	166 06
8th	29 00	235 22	26 25	223 05	23 08	192 13	27 60	161 83	22 17	124 02	23 08	91 08	23 92	65 92	19 75	28 69	28 37	62 11	28 92	33 22	17 00	165 76
9th	29 42	235 64	28 75	225 55	23 67	192 72	27 45	162 08	21 83	123 68	23 00	91 00	23 50	65 50	19 67	28 61	28 12	61 86	28 8	32 88	16 45	165 21
10th	29 58	235 80	27 25	224 05	24 17	193 22	28 20	162 43	21 83	123 48	22 67	90 67	23 25	65 45	19 50	28 44	27 97	61 61	28 50	32 40	16 00	164 76
11th	28 75	234 97	27 00	223 80	24 17	193 22	28 60	162 83	22 08	123 93	22 58	90 58	23 00	65 00	19 33	28 27	27 58	61 32	28 29	32 59	15 90	164 66
12th	27 67	233 89	26 33	223 13	23 92	192 97	28 60	162 83	22 42	124 27	22 50	90 50	22 71	64 71	19 17	28 11	27 29	61 03	28 08	32 38	16 00	164 76
13th	27 33	233 55	25 33	222 13	23 25	192 30	28 20	162 43	22 42	124 27	22 67	90 67	22 60	64 60	18 92	27 98	27 00	60 74	27 96	32 26	16 20	164 96
14th	25 83	232 05	24 00	220 80	22 58	191 63	27 50	161 73	21 83	123 68	2[illegible] 67	9[illegible] 67	22 51	64 50	18 67	27 61	26 83	60 57	27 75	33 05	16 30	165 06
15th	24 67	230 89	23 00	219 80	22 08	191 13	27 10	161 33	21 00	122 93	23 17	90 17	22 25	64 25	18 50	27 44	26 67	60 41	27 54	31 84	16 40	165 16
16th	23 75	228 97	22 00	218 80	21 33	190 38	26 70	160 93	19 83	121 68	21 75	89 75	21 43	63 83	18 42	27 38	26 53	60 07	27 25	31 55	16 40	165 16
17th	21 58	227 80	21 50	218 30	20 75	189 80	26 50	160 73	19 25	121 10	21 00	89 00	21 33	63 33	18 33	27 27	26 00	59 74	27 17	31 47	16 30	165 06
18th	20 67	226 89	20 00	216 80	20 08	189 13	26 45	160 48	19 00	120 85	20 75	88 75	20 92	62 92	18 08	27 02	25 58	59 32	27 08	31 38	15 75	164 51
19th	20 67	226 89	20 00	216 80	19 33	188 38	26 40	160 63	19 00	120 93	20 33	88 33	20 58	62 58	17 83	26 77	25 08	58 83	26 75	31 05	15 10	163 86
20th	21 83	228 05	20 83	217 63	18 67	187 72	26 20	160 43	18 58	120 43	20 17	88 17	20 17	62 17	17 58	26 52	24 58	58 32	26 46	30 76	14 80	163 56
21st	23 50	229 72	22 00	216 80	20 00	189 05	26 40	160 63	18 50	120 35	19 92	87 92	19 79	61 79	17 33	26 27	24 08	57 82	26 17	30 47	14 70	163 46
22nd	27 33	233 55	24 67	221 47	21 00	190 05	26 60	160 83	18 75	120 50	19 67	87 67	19 50	61 50	17 17	26 11	23 71	57 45	25 93	30 22	15 00	163 76
23rd	30 75	236 97	25 83	225 63	23 50	192 55	27 40	161 63	18 92	120 77	19 67	87 67	19 43	61 46	17 00	25 94	23 42	57 16	25 50	29 80	18 00	166 76
24th	32 00	238 22	29 83	226 63	25 10	194 05	28 30	162 53	19 33	121 18	19 83	87 83	19 46	61 45	16 93	25 86	23 08	56 93	25 12	29 42	18 60	167 36
25th	31 50	237 72	29 50	226 31	25 33	194 38	28 60	162 83	20 58	122 43	20 08	88 08	19 67	61 67	16 92	25 86	23 04	56 79	24 75	29 05	20 20	168 96
26th	30 92	237 14	27 83	224 63	24 75	193 80	28 40	162 63	21 08	122 93	20 50	88 50	20 00	62 00	16 92	25 86	23 25	56 49	24 25	28 55	21 10	169 86
27th	3 17	236 39	27 00	223 90	24 42	193 47	27 85	162 08	20 83	122 68	20 75	88 75	20 25	62 25	17 08	26 02	23 42	57 16	24 00	28 30	21 20	169 96
28th	9 67	235 89	27 00	223 80	23 75	192 80	27 30	161 53	20 58	122 43	20 75	88 75	20 50	62 50	17 42	26 36	23 67	57 41	23 75	28 05	21 10	169 86
29th	29 00	235 22	26 50	223 90	23 50	192 55	26 87	161 10	19 33	121 18	20 58	88 58	20 00	62 50	17 50	26 44	23 67	57 41	23 58	27 98	20 90	169 64
30th	27 58	233 80	25 50	222 30	22 67	191 72	26 15	160 38	18 67	120 52	19 58	87 58	20 08	62 08	17 50	26 44	23 42	57 16	23 42	27 73	20 70	169 46

The 30*th October* 1888.

G. A. G. SHAWE.
Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 27th October 1888, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 27th October 1888.			Week ending Saturday, the 29th October 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	959	1,69,725	2,821	885	1,17,435	1,841
Jute	530	2,74,260	4,925	291	1,57,625	3,025
Firewood	244	1,14,400	1,569	179	82,547	1,164
Other articles	1,158	2,46,339	3,772	1,269	2,53,975	4,108
Total ...	2,891	8,04,724	13,087	2,624	6,11,582	10,138

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 20th October 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated)	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	217 909	2,61 482 6 0	18,32 866 0	3,76 235 10 0	16 760 8 1	6,53 178 8 4	62 872½	65,234½	128,106½
Or per mile of railway		172 11 9		247 14 2	11 1 2	431 11 1	.		. .
For previous 15 weeks of half-year	3 397 117	34 22 232 10 0	3,58,56,704 20	67 93 645 0 4	2,39,492 9 3	1,04,55 370 3 7	956,688	1,187,262½	2,143,950½
Total for 16 weeks	3 615 026	36 83,715 0 0	3 76,89 570 20	71 68,880 10 4	2 56 253 1 7	1 11,08,848 11 11	1,019 560½	1,252,497	2 272,057½
Comparison									
Total for corresponding week of previous year	218,336	2 43,590 8 8	19,40,567 10	4,95,788 11 5	17,887 8 9	7,56,266 7 10	64,422	84,611	149,033
Per mile of railway corresponding week of previous year		160 4 2	.	327 8 4	11 13 1	499 9 7		.	.
Total to corresponding date of previous year	3,916,278½	40 07 943 1 9	3,41,70 925 20	73,76 302 11 5	2,70,315 8 3	1,16,54,561 5 5	1,048,768	1,296 815	2,345,583

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No XXI, Railway, dated 23rd July 1883

Receipts for week ending 22nd October 1887			Receipts for week ending 20th October 1888.			Total receipts from 1st April 1887 to 22nd October 1887			Total receipts from 1st April 1888 to 20th October 1888			Total increase in 1888-89.	Total decrease in 1888-89
Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs		Rs.	Rs		Rs	Rs.		Rs	Rs	Rs.	Rs
1 51[illegible]	7 [illegible] 2[illegible]	[illegible]00	1,513¾	6 53 479	432	1 513¾	2 40 62,111	518	1 513¾	2,[illegible]7 88,533	519	.. ..	12 73,578

PATNA-GYA STATE RAILWAY

Approximate Return of Traffic for week ended 20th October 1888, on 57¼ miles open

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried	Receipts			Coaching	Merchandise	Total
		Rs A P	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	8 393	4 763 10 0	25 767 20	2 123 7 0	28 12 0	6 915 13 0	1,932	462	2,394
Or per mile of railway	147	83 4 6	450 20	37 2 0	0 8 0	120 14 6	.		...
For previous 15 weeks of half year	182,989	98,079 6 0	5,03 953 0	33 910 13 0	372 14 3	1,32 372 1 3	27,397	10,733	38,130
Total for 16 weeks	191,382	1,02 843 0 0	5 29 720 20	36 043 4 0	401 10 3	1 39 287 14 3	29,329	11,195	40,524
Comparison									
Total for corresponding week of previous year	10 107½	5 205 10 7	24 008 20	1 764 8 0	27 15 9	6,998 2 4	1,748	646	2,394
Per mile of railway corresponding week of previous year	182	91 0 1	419 30	30 13 7	0 7 10	122 5 6			... ..
Total to corresponding date of previous year	243 592	1 27,107 15 6	5,76 297 0	37 363 11 0	540 15 3	1 65,012 9 9	30 292	10 360	40,652

Approximate Statement of gross receipts of the Patna-Gya State Railway prepared in accordance with Public Works Department Circular No XXI Railway, dated 23rd July 1883.

Receipts for week ending 22nd October 1887			Receipts for week ending 20th October 1888			Total receipts from 1st April 1887 to 22nd October 1887			Total receipts from 1st April 1888 to 20th October 1888			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs		Rs	Rs		Rs	Rs		Rs	Rs	Rs.	Rs.
57¼	6,998	122	57¼	6 916	121	57¼	2,84 775	172	57¼	2 53,211	153		31,564

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for the week ending 20th October 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds s	Rs. A. P.	Rs. A. P.	Rs A P			
Total traffic for the week ..	2,551	452 0 0	10,290 30	219 6 0	4 2 0	655 8 0	442½	51	493½
Or per mile of railway ..		36 0 0		18 4 6	0 5 6	54 10 0	.. .		.....
For previous 15 weeks of half-year	42,014	6 996 14 0	1,03,223 20	2,301 14 0	70 4 9	9,369 0 9	6,155½	1,481	7,636½
Total for 16 weeks	44 565	7,428 14 0	1,13,513 10	2 521 4 0	74 6 9	10,024 8 9	6 598	1,532	8,130
Comparison.									
Total for corresponding week of previous year	2,709	453 13 1	7,805 0	203 9 0	6 4 0	662 10 1	359	134	493
Per mile of railway corresponding week of previous year	..	37 11 9		16 15 5	0 8 4	55 3 6	.. .	......	..
Total to corresponding date of previous year .. .	46 258½	7,702 2 4	1,39,472 0	3,094 8 0	112 1 0	10 908 11 4	6 509	1,520	8,029

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No XXI, Railway, dated 23rd July 1883.

Receipts for week ending 22nd October 1887			Receipts for week ending 20th October 1888			Total receipts from 1st April 1887 to 22nd October 1887.			Total receipts from 1st April 1888 to 20th October 1888			Total increase in 1888	Total decrease in 1888
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	663	55	12	656	55	12	25,510	73	12	26,097	75	587	.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 20th October 1888, on 74⅗ miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated)	Total earnings	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried.	Receipts			Coaching	Merchandise.	Total.
		Rs. A P.	Mds. s.	Rs. A. P	Rs A. P	Rs A P			
Total traffic for the week .	6,072	3,627 2 0	53 970 20	2,093 14 0	51 0 0	5 762 0 0	700	864	1,564
Or per mile of railway		48 7 10		27 13 9	0 10 11	77 0 6			.
For previous 15 weeks of half year	66 656	45 242 13 0	12 22 292 20	37,122 0 9	1 551 2 9	83 916 0 6	10,042	14 973½	25 015½
Total for 16 weeks	72 728	48 869 15 0	12 76,269 0	39,205 14 9	1 602 2 9	89 678 0 6	10,742	15,837½	26 579½
Comparison.									
Total for corresponding week of previous year	5 620½	3 896 0 5	1,26 155 0	2,990 2 0	124 11 0	7 010 15 8	746	975	1,721
Per mile of railway corresponding week of previous year		52 1 5		39 15 7	1 10 8	93 11 8			
Total to corresponding date of previous year .. .	85 8.7½	64 .31 15 1	15,06 003 0	59 484 12 0	1,602 1 0	1 24 318 12 1	11 .64	24,186	36,050

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No XXI, Railway, dated 23rd July 1883

Receipts for week ending 22nd October 1887			Receipts for week ending 20th October 1888			Total receipts from 1st April 1887 to 22nd October 1887			Total receipts from 1st April 1888 to 20th October 1888			Total increase in 1888-89	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs		Rs.	Rs		Rs.	Rs		Rs	Rs	Rs	Rs
74⅗	7,011	94	74⅗	5,763	77	74⅗	2 38,321	110	74⅗	1 96 545	91		41,776

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ending 20th October 1888, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,882	4,230 9 0	5,851 30	234 5 0	4 4 0	4,469 2 0	927	41	968
Or per mile of railway	......	190 2 2	......	10 8 6	0 3 1	200 13 9	......	......	......
For previous 15 weeks of half-year	259,032	64,503 10 0	57,420 30	1,983 9 0	93 5 9	66,580 8 9	13,958	650	14,608
Total for 16 weeks ...	275,914	68,734 3 0	63,272 20	2,217 14 0	97 9 9	71,049 10 9	14,885	691	15,576
Comparison.									
Total for corresponding week of previous year	15,477	3,780 10 11	3,970 20	156 15 0	5 8 0	3,943 1 11	912	56	968
Per mile of railway corresponding week of previous year ...	......	169 14 8	......	7 0 10	0 4 0	177 3 6	......	......	......
Total to corresponding date of previous year	280,581½	68,407 6 10	66,580 30	2,389 13 0	90 8 6	70,887 12 4	15,217	743	15,960

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 22nd October 1887.			Receipts for week ending 20th October 1888.			Total receipts from 1st April 1887 to 22nd October 1887.			Total receipts from 1st April 1888 to 20th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	3,943	177	22¼	4,469	201	22¼	1,47,957	229	22¼	1,54,379	239	6,422	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 6th October 1888, on 673 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	a176,430	78,670 0 0	8,48,550 0	2,04,100 0 0	16,890 0 0	2,99,660 0 0	22,149	34,396	56,545
Or per mile of railway ...	262	117 0 0	1,261 0	303 0 0	†4 0 0	424 0 0	......	......	......
For previous 13 weeks of half-year	1,616,199	6,90,235 0 0	79,93,784 0	19,31,401 0 0	1,83,873 0 0	*28,05,599 0 0	295,843	328,421	*624,264
Total for 14 weeks ...	1,792,629	7,68,905 0 0	88,42,334 0	21,35,501 0 0	2,00,763 0 0	31,05,259 0 0	317,992	362,817	680,809
Comparison.									
Total for corresponding week of previous year	115,905	56,091 0 0	7,85,767 0	1,60,597 0 0	35,990 0 0	2,52,678 0 0	21,014	26,319	47,333
Per mile of railway corresponding period of previous year ...	180	87 0 0	1,218 0	249 0 0	†40 0 0	376 0 0	......	......	......
Total to corresponding date of previous year	1,677,863	7,26,636 0 0	78,50,512 0	16,92,818 0 0	1,82,777 6 6	26,02,231 0 0	299,628	313,173	612,801

* Audited up to week ending 25th August 1888.
† Excluding steamer earnings.
a Includes monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	2,52,678	392	673	2,99,660	445	645	44,49,235	255	674	*50,50,731	277	6,01,496	......

* Audited up to 25th August 1888.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 13*th October* 1888, *on* 673 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated), including steam boat.	Total earnings	Traffic Train-miles run.		
	Number of passengers	Coaching receipts	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	143,740	83 660 0 0	7,19 660 0	1 83 570 0 0	13 320 0 0	2,83,530 0 0	22,149	34,396	56 545
Or per mile of railway	214	124 0 0	1,069 0	273 0 0	†3 0 0	400 0 0			
For previous 14 weeks of half-year ...	1,792,629	7 68 905 0 0	88 42,334 0	21 35 591 0 0	2 00,763 0 0	*31 05 259 0 0	317,992	362 817	680,809
Total for 15 weeks	1 936 369	8,52 565 0 0	95,61 994 0	23 19 161 0 0	2 16 083 0 0	33 87,809 0 0	340 141	397,213	737 354
Comparison.									
Total for corresponding week of previous year	103,657	55 254 0 0	5 46,925 0	1 47,424 0 0	14,952 0 0	2,17,630 0 0	20 939	24,575	45,514
Per mile of railway corresponding period of previous year	161	86 0 0	848 0	228 0 0	†7 0 0	321 0 0	.		.
Total to corresponding date of previous year	1,781 520	7 81,890 0 0	83 97 437 0	18 40 242 0 0	1 97 729 0 0	28,19,861 0 0	320,567	337,748	658,315

* Audited up to week ending 25th August 1888.
† Excluding steamer earnings

FINANCIAL YEAR

Approximate Statement of gross receipts of the Eastern Bengal State Railway

Receipts for week ending 15th October 1887			Receipts for week ending 13th October 1888			Total receipts from 1st April 1887 to 15th October 1887			Total receipts from 1st April 1888 to 13th October 1888			Total increase in 1888 89	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs		Rs	Rs		Rs	Rs		Rs	Rs	Rs	Rs.
645	2,17,630	337	673	2 82 550	420	645	46,66 865	258	674	*53,33 281	283	6 66 416	.. ...

* Audited up to 25th August 1888

BENGAL CENTRAL RAILWAY

Approximate Return of Traffic for week ended 6th October 1888, *on* 125 *miles open*

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings.	Traffic Train miles run		
	Number of passengers	Coaching receipts	Weight carried	Receipts			Coaching	Merchandise.	Total
		Rs A P	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	†32 740	10 800 0 0	1 27 920 0	14 900 0 0	180 0 0	25 880 0 0	3 813	3 315	7,128
Or per mile of railway .	262	86 0 0	1 023 0	119 0 0	2 0 0	207 0 0			
For previous 13 weeks of half-year .	319 925	98,387 0 0	7 07 768 0	72 500 0 0	1,181 0 0	*1 72 068 0 0	49 737	27 075	76,812
Total for 14 weeks .	352 665	1 09 187 0 0	8 35 688 0	87 400 0 0	1 361 0 0	1 97 948 0 0	53 550	30,390	83 940
Comparison									
Total for corresponding week of previous year	22,463	7 498 0 0	44 896 0	5 115 0 0	66 0 0	12,647 0 0	3 653	1,557	5,210
Per mile of railway corresponding period of previous year	180	60 0 0	359 0	41 0 0		101 0 0			. .
Total to corresponding date of previous year	348 274	1 12 650 0 0	6 06 380 0	58,466 0 0	1 638 0 0	1 72 714 0 0	52 515	24,485	77,000

* Audited up to week ending 25th August 1898
† Includes monthly tickets

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 8th October 1887			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887			Total receipts from 1st April 1888 to 6th October 1888			Total increase in 1888 89	Total decrease in 1888 89
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs	Rs		Rs	Rs	Rs	Rs
125	12,647	101	125	25,880	207	125	3 48 730	103	125	*3 59,749	107	11,019	

* Audited up to 25th August 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 13th October 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	28,800	10,900 0 0	1,17,560 0	13,910 0 0	110 0 0	24,920 0 0	3,813	3,315	7,128
Or per mile of railway ...	213	87 0 0	940 0	111 0 0	1 0 0	199 0 0	......	......	......
For previous 14 weeks of half-year	352,665	1,09,187 0 0	8,35,688 0	87,400 0 0	1,361 0 0	*1,97,948 0 0	53,550	30,390	83,940
Total for 15 weeks ...	379,255	1,20,087 0 0	9,53,248 0	1,01,310 0 0	1,471 0 0	2,22,868 0 0	57,363	33,705	91,068
Comparison.									
Total for corresponding week of previous year ...	20,715	7,519 0 0	44,739 0	5,181 0 0	32 0 0	12,738 0 0	3,744	1,676	5,420
Per mile of railway corresponding period of previous year ...	166	60 0 0	358 0	42 0 0	......	102 0 0	......	......	......
Total to corresponding date of previous year	368,989	1,20,169 0 0	6,51,119 0	63,637 0 0	1,070 0 0	1,85,476 0 0	56,259	26,161	82,420

* Audited up to week ending 25th August 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888.			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	12,732	102	125	24,920	199	125	3,61,462	103	125	*3,84,669	110	23,207	......

* Audited up to week ending 25th August 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 6th October 1888, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	14,880	4,820 0 0	25,260 0	1,890 0 0	480 0 0	7,190 0 0	2,684	420	3,104
Or per mile of railway	173	56 0 0	294 0	22 0 0	6 0 0	84 0 0	......	......	......
For previous 13 weeks of half-year	169,257	50,243 0 0	2,00,118 0	14,736 0 0	3,486 0 0	*68,465 0 0	32,539	9,180	41,719
Total for 14 weeks ...	184,137	55,063 0 0	2,25,378 0	16,626 0 0	3,966 0 0	75,655 0 0	35,223	9,600	44,823
Comparison.									
Total for corresponding week of previous year	9,813	3,648 0 0	17,628 0	1,537 0 0	138 0 0	5,323 0 0	2,639	325	2,964
Per mile of railway corresponding period of previous year .	114	42 0 0	205 0	18 0 0	2 0 0	62 0 0	......	......	......
Total to corresponding date of previous year	156,226	49,277 0 0	1,64,630 0	12,901 0 0	1,907 0 0	64,265 0 0	37,792	5,710	43,502

* Audited up to week ending 25th August 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	5,323	62	86	7,190	84	86	1,30,024	56	86	*1,40,520	61	10,496	......

* Audited up to 25th August 1888.

DACCA STATE RAILWAY

Approximate Return of Traffic for week ended 13th October 1888, on 86 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,750	4,840 0 0	13,700 0	2,080 0 0	100 0 0	7,020 0 0	2,684	420	3,104
Or per mile of railway	148	56 0 0	159 0	25 0 0	1 0 0	82 0 0	... .	......	.....
For previous 14 weeks of half-year	184,137	55,063 0 0	2,25,378 0	16,626 0 0	3,966 0 0	*75,655 0 0	35,223	9,600	44,823
Total for 15 weeks ...	196,887	59,903 0 0	2,39,078 0	18,706 0 0	4,066 0 0	82,675 0 0	37,907	10,020	47,927
Comparison.									
Total for corresponding week of previous year . ..	9,356	3,536 0 0	11,650 0	1,215 0 0	329 0 0	5,080 0 0	2,639	325	2,964
Per mile of railway corresponding period of previous year ..	109	41 0 0	135 0	14 0 0	4 0 0	59 0 0	....	......	......
Total to corresponding date of previous year	165,582	52,813 0 0	1,76,280 0	14,206 0 0	2,326 0 0	69,345 0 0	40,431	6,035	46,466

* Audited up to week ending 25th August 1888.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888.			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs		Rs.	Rs.	Rs.	Rs
86	5,080	59	86	7,020	82	86	1,35,104	56	86	*1,47,540	61	12,436	...

* Audited up to week ending 25th August 1888.

ASSAM-BEHAR STATE RAILWAY.

(Purneah Section.)

Approximate Return of Traffic for week ended 6th October 1888, on 38 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P	Rs. A. P.			
Total traffic for the week	3,090	1,160 0 0	29,670 0	2,750 0 0	30 0 0	3,940 0 0	532	532	1,064
Or per mile of railway	81	31 0 0	781 0	72 0 0	1 0 0	104 0 0	..	...	..
For previous 13 weeks of half-year	39,406	12,691 0 0	2,99,743 0	*22,347 0 0	383 0 0	*35,421 0 0	7 004	7,004	14,008
Total for 14 weeks ...	42,496	13,851 0 0	3,29,413 0	25,097 0 0	413 0 0	39,361 0 0	7,536	7,536	15,072
Comparison.									
Total for corresponding week of previous year	2,750	988 0 0	5,604 0	412 0 0	32 0 0	1,432 0 0	546	546	1,092
Per mile of railway corresponding period of previous year	71	25 0 0	144 0	11 0 0	1 0 0	37 0 0	... .		...
Total to corresponding date of previous year	44,617	15,535 0 0	1,08,904 0	8,876 0 0	508 0 0	25,009 0 0	8,176	7,800	15 976

* Audited up to week ending 25th August 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,432	37	38	3,940	104	39	65,086	62	39	*83,398	60	18,312	....

* Audited up to week ending 25th August 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 13th October 1888, on 38 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	3,090	1,240 0 0	27,600 0	2,300 0 0	40 0 0	3,640 0 0	532	532	1,064
Or per mile of railway ..	81	33 0 0	726 0	62 0 0	1 0 0	96 0 0	......	......	......
For previous 14 weeks of half-year	42,496	13,851 0 0	3,29,413 0	25,097 0 0	413 0 0	*30,361 0 0	7,536	7,536	15,072
Total for 15 weeks ...	45,586	15,091 0 0	3,57,013 0	27,457 0 0	453 0 0	43,001 0 0	8,068	8,068	16,136
COMPARISON.									
Total for corresponding week of previous year	2,313	798 0 0	7,807 0	464 0 0	54 0 0	1,316 0 0	546	546	1,092
Per mile of railway corresponding period of previous year	59	20 0 0	200 0	12 0 0	2 0 0	34 0 0	......	......	......
Total to corresponding date of previous year	46,930	16,333 0 0	1,16,711 0	9,310 0 0	652 0 0	26,325 0 0	8,722	8,346	17,068

* Audited up to week ending 25th August 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888.			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,316	34	38	3,640	96	39	66,402	61	38	*87,038	82	20,636	......

* Audited up to week ending 25th August 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 6th October 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,282	1,159 0 0	11,750 0	607 0 0	17 0 0	1,873 0 0	509	254	763
Or per mile of railway	120	43 0 0	431 0	25 0 0	1 0 0	69 0 0	.....	......	......
For previous 13 weeks of half-year	36,647	12,952 0 0	1,33,945 0	*8,487 0 0	1,423 0 0	22,862 0 0	6,617	4,447	11,064
Total for 14 weeks ...	39,909	14,111 0 0	1,45,695 0	9,184 0 0	1, 40 0 0	24,735 0 0	7,126	4,701	11,827
COMPARISON.									
Total for corresponding week of previous year . .	2,696	957 0 0	9,191 0	452 0 0	4 0 0	1,413 0 0	509	303	812
Per mile of railway corresponding week of previous year	90	35 0 0	337 0	17 0 0	......	52 0 0	......	......	......
Total to corresponding date of previous year . ..	44,401	15,569 0 0	1,29,683 0	8,162 0 0	256 0 0	23,987 0 0	7,308	4,489	11,707

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,413	51	27½	1,873	69	27½	47,283	64	27½	50,940	69	3,657	......

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 13th October 1888, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,940	1,380 0 0	11,196 0	629 0 0	11 0 0	2,020 0 0	509	254	763
Or per mile of railway	145	51 0 0	411 0	23 0 0	......	74 0 0	......	......	......
For previous 14 weeks of half-year	39,909	14,111 0 0	1,45,695 0	9,184 0 0	1,440 0 0	24,735 0 0	7,126	4,701	11,827
Total for 15 weeks ...	43,849	15,491 0 0	1,56,891 0	9,813 0 0	1,451 0 0	26,755 0 0	7,635	4,955	12,590
COMPARISON.									
Total for corresponding week of previous year	3,400	1,139 0 0	10,697 0	574 0 0	5 0 0	1,718 0 0	509	472	981
Per mile of railway corresponding week of previous year ..	125	43 0 0	393 0	21 0 0	......	63 0 0	......	......	......
Total to corresponding date of previous year	47,801	16,708 0 0	1,40,380 0	8,736 0 0	261 0 0	25,705 0 0	7,817	4,931	12,748

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 15th October 1887.			Receipts for week ending 13th October 1888.			Total receipts from 1st April 1887 to 15th October 1887.			Total receipts from 1st April 1888 to 13th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs	Rs.	Rs.	Rs.
27½	1,718	63	27½	2,020	74	27½	49,001	64	27½	52,960	69	3,959	..

TIRHOOT STATE RAILWAY.

*Approximate Return of Traffic for the week ending 6th October 1888, on 273 * miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs A. P			
Total traffic for the week on 273 miles open . .	39,377	13,411 0 0	1,13,037 0	10,629 0 0	2,694 0 0	26,734 0 0	4,465	4,882	9 347
Or per mile of railway	144	49 0 0	414 0	39 0 0	3 0 0	91 0 0*		..... .	
For previous 13 weeks of half-year	452,100	1,41,951 0 0	16,82,139 0	1,28,536 0 0	31,158 0 0	3 01,645 0 0	66,642	63,949	1,30,591
Total for 14 weeks ..	491,477	1,55 362 0 0	17,95,176 0	1,39,165 0 0	33,852 0 0	3,28,379 0 0	71 107	68,831	1,39,938
COMPARISON.									
Total for corresponding week of previous year on 249 miles open	38,060	13,494 0 0	83,136 0	7,793 0 0	2,105 0 0	23,392 0 0	5,768	4,238	10,006
Per mile of railway corresponding week of previous year ..	156	54 0 0	334 0	31 0 0	1 0 0	86 0 0†	. ...	.	.
Total to corresponding date of previous year	545,294	1,91,420 0 0	15,72,949 0	1,44,213 0 0	44,668 0 0	3,80,304 0 0	89,206	64,674	1,53,970

* Includes 14 miles from Bhaptiahi to Pertabgunj on the Eastern Branch opened for goods traffic only from 1st October 1888.
† Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 8th October 1887.			Receipts for week ending 6th October 1888.			Total receipts from 1st April 1887 to 8th October 1887.			Total receipts from 1st April 1888 to 6th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	23,393	94	271	26,734	99	240	8,35,634	124	259·44	8,22,034	118	.. .	13,600

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 13th October 1888, on 273 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried	Receipts			Coaching.	Merchandise.	Total.
		Rs A P.	Mds. s.	Rs A P.	Rs. A. P.	Rs. A P			
Total traffic for the week on 273 miles open	33 472	11,853 0 0	1,16 850 0	11,543 0 0	2,621 0 0	26,017 0 0	4,541	5,085	9,626
Or per mile of railway	123	43 0 0	428 0	42 0 0	2 0 0	87 0 0*		.	.
For previous 14 weeks of half year	491,477	1 55,362 0 0	17,95,176 0	1,39 165 0 0	33,852 0 0	3,28,379 0 0	71,107	68,831	1,39,938
Total for 15 weeks	524 899	1,67 215 0 0	19,12,032 0	1,50 708 0 0	36,473 0 0	3,54,396 0 0	75,648	73,916	1,39,564
Comparison.									
Total for corresponding week of previous year on 249 miles open	32,128	11,753 0 0	1,26,830 0	13,460 0 0	3,255 0 0	28,468 0 0	5,656	4,834	10,490
Per mile of railway corresponding week of previous year	129	47 0 0	509 0	54 0 0	3 0 0	104 0 0*		.	
Total to corresponding date of previous year	577 422	2,03,173 0 0	16 99,779 0	1,57,673 0 0	47,923 0 0	4,08,769 0 0	94,952	69,508	1,64,460

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway"

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Tirhoot State Railway.

Receipts for week ending 15th October 1887			Receipts for week ending 13th October 1888			Total receipts from 1st April 1887 to 15th October 1887			Total receipts from 1st April 1888 to 13th October 1888			Total increase in 1888-89	Total decrease in 1888-89
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs		Rs.	Rs		Rs.	Rs	Rs.	Rs
249	28,468	114	273	26 017	95	249	8,64,102	124	259 93	8 48,051	117		16 051

TIRHOOT STATE RAILWAY

Approximate Return of Traffic for the week ending 20th October 1888, on 273 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run		
	Number of passengers	Coaching receipts	Weight carried	Receipts.			Coaching.	Merchandise	Total
		Rs. A. P	Mds s	Rs A P	Rs A. P	Rs. A. P			
Total traffic for the week on 273 miles open	39 041	13,365 0 0	1,25 803 0	11,100 0 0	2,400 0 0	26 865 0 0	4,586	4,761	9,347
Or per mile of railway	143	49 0 0	461 0	41 0 0	2 0 0	93 0 0*	.	.	
For previous 15 weeks of half-year	524 899	1,67 215 0 0	19,12,032 0	1,50,708 0 0	36 473 0 0	3,54 396 0 0	75,648	73,916	149,564
Total for 16 weeks .	563 940	1 80 580 0 0	20,37,835 0	1,61,808 0 0	38,873 0 0	3,81,261 0 0	80,234	78,677	158,911
Comparison									
Total for corresponding week of previous year on 249 miles open	35,895	12 195 0 0	1,25 582 0	11,264 0 0	3,764 0 0	27,223 0 0	5,483	4,901	10,384
Per mile of railway corresponding week of previous year	144	49 0 0	504 0	45 0 0	5 0 0	99 0 0*	. ...	......	..
Total to corresponding date of previous year ..	618,317	2,15 368 0 0	18 25,361 0	1,68,937 0 0	51,687 0 0	4,35,902 0 0	100,435	74,409	174,844

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway"

FINANCIAL YEAR

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 22nd October 1887			Receipts for week ending 20th October 1888			Total receipts from 1st April 1887 to 22nd October 1887.			Total receipts from 1st April 1888 to 20th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	27,223	109	273	26,865	98	249	8,91,325	123	260 88	8,74,916	116	....	16,409

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 6th October 1888	11,118
Corresponding week last year	9,494
Increase	1,624
Receipts from 1st July to 6th October 1888	1,70,097
From 1st July to 8th October 1887	1,37,556
Increase	32,541
	Miles.
Miles open week ending 6th October 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 6th October 1888	218 0 0
Corresponding week last year	186 2 8
Increase	31 13 4

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 13th October 1888	10,866
Corresponding week last year	8,078
Increase	2,788
Receipts from 1st July to 13th October 1888	1,80,963
From 1st July to 15th October 1887	1,45,634
Increase	35,329
	Miles.
Miles open week ending 13th October 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 13th October 1888...	213 0 11
Corresponding week last year	158 6 3
Increase	54 10 8

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CONTENTS.

FINANCIAL DEPARTMENT.

FINANCE.

Darjeeling, the 31*st October* 1888.

RESOLUTION.

THE Lieutenant-Governor is now in a position to review the actual financial results of the year 1886-87, the revised estimates for the year 1887-88, and the budget estimates for 1888-89. The Accountant-General's memorandum on the accounts of the first year has been received, and the Government of India have considered the estimates which the Lieutenant-Governor has formed of the financial position of this Government at the close of the past year, and of the funds at its disposal during the current year.

ACCOUNTS OF 1886-87.

2. The actuals of 1886-87 furnished by the Accountant-General are compared in the following table with the revised estimate adopted in the Financial Resolution of the 24th December 1887 :—

REVENUE		REVENUE AND EXPENDITURE.	EXPENDITURE	
Revised estimate	Actuals.		Revised estimate	Actuals.
Rs.	Rs.		Rs.	Rs.
3,07,19,000	3,06,83,000	Principal heads of Revenue	51,15,000	51,50,000
79,000	83,000	Interest	.....	......
1,000	1,000	Post-office, Telegraphs and Mint.	1,000	1,000
38,73,000	38,75,000	Civil Administration ...	2,18,98,000	2,18,83,000
9,51,000	9,51,000	Miscellaneous . .	26,83,000	26,83,000
... .	... ..	Famine Relief and Insurance	. . .	... .
....	... ..	Construction of Railways ...	3,000	3,000
52,72,000	52,72,000	Railways	31,99,000	31,99,000
22,34,000	22,26,000	Irrigation	21,86,000	20,23,000
...	...	Interest on debt	43,54,000	43,41,000
8,67,000	8,67,000	Buildings and Roads ..	39,62,000	39,62,000
16,000	16,000	Contributions	2,01,000	2,00,000
4,40,12,000	4,39,74,000	Total ..	4,36,02,000	4,34,45,000
14,70,000	14,70,000	Opening balance ..	....	......
.....	... .	Closing balance ...	18,80,000	19,99,000
4,54,82,000	4,54,44,000	GRAND TOTAL	4,54,82,000	4,54,44,000
...	...	Provincial surplus (+) or deficit (−)	(+) 4,10,000	(+) 5,29,000

3. In the Resolution of the 24th December 1887, it was shown that the year 1886-87 had opened with a credit balance of Rs. 14,70,000; that the revenues under all the heads might, during the year, amount to Rs. 4,40,12,000 ; and that the total expenditure during the year would probably not exceed Rs. 4,36,02,000, a credit balance of Rs. 18,80,000 being left at the close of the year. The actual result has been more favourable than this estimate by Rs. 1,19,000. The expenditure of the Irrigation Department fell short of the estimate by Rs. 1,63,000, while the receipts were also Rs. 8,000 less than had been expected. The operations of the Civil Department showed a net result worse by Rs. 36,000, as exhibited in the following table :-

	Better.	Worse.
	Rs.	Rs.
Land Revenue ...	......	66,000
Provincial Rates ...		5,000
Interest	4,000	......
Jails	1,000	......
Police	.. ...	4,000
Marine	1,000	. . .
Education	18,000	..
Stationery and Printing	1,000	...
Interest on debt ...	13,000	......
Capital ...	1,000	...
	39,000	75,000
Total	... ..	36,000

4. The revised estimate made no allowance in favour of the Imperial Government for the surplus of sale proceeds of the Indian Law Reports over the cost of printing. These aggregated Rs. 28,000, and a credit for this amount has been given to Imperial by a debit against Provincial under Land Revenue. The Provincial portion of the survey and settlement charges exceeded the revised

estimate by about Rs. 35,000. There were other adjustments between Imperial and Provincial, bringing in a loss of about Rs. 3,000 to the latter, so that the total net loss under Land Revenue compared with the revised estimate has been Rs. 66,000. The difference under Education is due to the elimination of charges debitable to local funds from the Provincial account. The differences under the remaining heads are unimportant and need not be noticed. The Provincial balance on the 31st March 1887 was Rs. 19,99,000.

Revised Estimate, 1887-88.

5. The financial year which has just expired was the first year of the quinquennial period for which a new contract has been made with the Government of India. The following table shows the revised estimate as submitted to the Government of India in March last, the estimates as passed by the Government of India, and the estimates as now adopted by the Government of Bengal :—

Receipts.	Revised estimate reported to the Government of India.	Revised estimate accepted by the Government of India.	Revised estimate as now adopted.
	Rs.	Rs.	Rs.
Opening balance ...	19,99,000	19,99,000	19,99,000
Principal heads of revenue—			
I.—Land Revenue—			
Proper	98,39,000	98,47,000	98,96,000
Adjustment	—6,04,000	3,70,000	—1,8[illegible],000
III.—Salt ...	89,000	89,000	78,000
IV.—Stamps ...	1,03,88,000	1,04,06,000	1,0[illegible],61,000
V.—Excise ...	27,25,000	27,11,000	27,16,000
VI.—Provincial Rates	41,80,000	41,80,000	42,27,000
VII.—Customs ...	65,000	65,000	60,000
VIII.—Assessed Taxes	18,50,000	18,50,000	18,69,000
IX.—Forests	3,50,000	3,50,000	3,50,000
X.—Registration ...	5,00,000	5,10,000	5,0[illegible],000
Total ...	2,9[illegible],82,000	2,96,71,000	2,94,84,000
XII.—Interest ...	73,000	73,000	67,000
Post-office, Telegraph and Mint—			
XIV.—Telegraphs	1,000	1,000	1,000
Receipts by Civil Department—			
XVI.—Law and Justice—			
Fees, fines and forfeitures of Judicial Courts, &c. ..	7,75,000	7,65,000	7,77,000
Jails	7,50,000	7,60,000	7,15,000
XVII.—Police	3,27,000	3,13,000	3,13,000
XVIII.—Marine	9,[illegible],000	9,2[illegible],000	9,10,000
XIX.—Education	6,36,000	6,36,000	6,63,000
XX.—Medical	1,61,000	1,40,000	1,31,000
XXI.—Scientific and other Minor Departments	1,52,000	1,24,000	1,15,000
Total ..	37,99,000	[illegible],63,000	36,81,000
Miscellaneous—			
XXII.—Receipts in aid of Superannuation ...	46,000	46,000	46,000
XXIII.—Stationery and Printing ...	1,90,000	1,90,000	1,91,000
XXV.—Miscellaneous ...	7,51,000	7,51,000	7,75,000
Total	9,87,000	9,87,000	10,12,000
Railways—			
XXVI.—State Railways (gross earnings)—			
Eastern Bengal Railway	62,32,000	1,12,60,000	60,53,000
Other Railways ...	51,67,000		52,49,000
Total ...	1,13,99,000	1,12,60,000	1,13,02,000
Irrigation—			
XXIX.—Major works (direct receipts)	13,58,000	13,58,000	11,05,000
XXX.—Minor works and Navigation—			
By Public Works Department	8,18,000	8,19,000	8,63,000
" Civil Department ..	1,09,000	1,09,000	1,01,000
Total	22,85,000	22,86,000	20,70,000
Buildings and Roads—			
XXXII.—Civil Works—			
By Public Works Department	2,00,000	2,00,000	1,75,000
" Civil Department ..	2,13,000	2,13,000	2,34,000
Total	4,13,000	4,13,000	4,09,000
Contributions	...	...	...
Total .	4,82,79,000	4,82,94,000	4,80,29,000
Grand Total	5,02,78,000	5,02,93,000	5,00,28,000

Expenditure.	Revised estimate reported to the Government of India.	Revised estimate accepted by the Government of India.	Revised estimate as now adopted.
	Rs.	Rs.	Rs.
Direct demand on the Revenues—			
1. Refunds and drawbacks ...	1,43,000	1,43,000	1,52,000
2. Assignments and compensation ...	1,68,000	1,68,000	1,89,000
Charges in respect of collection—			
3. Land Revenue	33,76,000	33,00,000	34,25,000
5. Salt	12,000	12,000	12,000
6. Stamps	3,64,000	3,58,000	3,67,000
7. Excise	1,05,000	1,05,000	1,06,000
8. Provincial Rates	2,95,000	2,95,000	3,54,000
9. Customs ...	5,39,000	5,39,000	5,27,000
10. Assessed Taxes	75,000	75,000	76,000
11. Forests	2,11,000	2,11,000	2,11,000
12. Registration	2,88,000	2,90,000	2,89,000
Total .	55,76,000	54,96,000	57,07,000
Post office, Telegraph and Mint—			
16. Telegraphs	1,000	1,000	1,000
Salaries and expenses of Civil Department—			
18. General administration ...	15,98,000	15,28,000	15,39,000
19. Law and Justice			
Judicial Courts ...	79,50,000	79,50,000	79,41,000
Jails ..	15,40,000	15,10,000	16,60,000
20. Police	47,76,000	47,78,000	48,20,000
21. Marine ...	9,04,000	9,04,000	8,75,000
22. Education	24,98,000	21,98,000	24,14,000
24. Medical	14,67,000	14,59,000	14,50,000
26. Scientific and other Minor Departments	2,91,000	2,91,000	2,99,000
Total ...	2,08,74,000	2,08,28,000	2,10,14,000
Miscellaneous—			
29. Superannuation, &c.	12,67,000	12,90,000	12,70,000
30. Stationery and Printing ...	10,[illegible],000	10,41,000	10,19,000
32. Miscellaneous	2,97,000	2,97,000	3,00,000
Total	26,01,000	26,18,000	26,29,000
Famine relief and insurance—			
35. Famine relief	...	...	
37. Construction of railways ..	2,000	—3,000	3,000
Railways (Revenue account)—			
38. State Railways			
Working expenses—			
Eastern Bengal Railway ...	31,57,000	57,65,000	30,53,000
Other Railways	25,57,000		27,12,000
Interest on debt	30,97,000	30,87,000	30,87,000
40. Subsidized Companies—Land, &c.	1,000	...	
41. Miscellaneous Railway expenditure	70,000	70,000	68,000
Total ..	90,82,000	89,22,000	89,20,000
Irrigation—			
42. Major works—			
Working expenses ..	17,25,000	17,27,000	15,04,000
Interest on debt	2[illegible]	23,17,000	2[illegible]
43. Minor works and Navigation	17,[illegible],000	17,0[illegible],000	[illegible]
Total ..	55,15,000	5[illegible],14,000	5[illegible]
Buildings and Roads—			
45. Civil Works—			
By Public Works Department ...	27,40,000	27,40,000	27,61,000
By Civil Department	[illegible]	87,000	1,53,000
Total	27,[illegible],000	28,27,000	29,14,000
Contributions ...	1,61,000	1,61,000	2,37,000
Total	4,[illegible],07,000	4,66,91,000	4,7[illegible]
Closing balance	3[illegible],71,000	35,99,000	[illegible]
Grand Total	5,02,78,000	5,02,93,000	5,00,28,000
Provincial surplus (+) or deficit (—)	(—)15,72,000	(+)16,00,000	(—)12,45,000

6. The revised estimates as now adopted under the Civil heads, except I and 3—Land Revenue, 6—Stamps, IX and 11—Forests, XVI and 19—Jails, 20—Police, 24—Medical, 30—Stationery and Printing, and XXV and 32—Miscellaneous, have been fixed on the basis of the actuals of twelve months as reported by the Accountant-General in his preliminary accounts of March 1887.

7. *I and* 3—*Land Revenue.*—The total Land Revenue receipts for the year 1887-88, as estimated by the Accountant-General when he submitted his estimate for the current year, amounted to Rs. 3,81,70,000, and this estimate has been raised by the Government of India to Rs. 3,82,00,000. The Comptroller-General's statements show that the total collections in 1887-88 amounted to Rs. 3,79,96,000. The 10 per cent. on collections from Government estates will have aggregated Rs. 3,95,000, so that the total Provincial share of Land Revenue for the year will not have exceeded ¼th of (Rs. 3,79,96,000—3,95,000)+Rs. 3,95,000, or Rs. 97,96,000. This amount has been taken as the revised estimate of Provincial Land Revenue (proper) for 1887-88.

The revised estimate, as submitted to the Government of India, allowed for the payment of Rs. 75,000 to "Imperial" on account of the excess of net earnings of the Eastern Bengal Railway over the contract assignment of 30 lakhs, and also for the payment of Rs. 1,59,000 to the Government of the North-Western Provinces in adjustment of their claim for arrears of duty on Shahjehanpore rum. This accounts for the difference under the Land Revenue adjustment between the original estimate of this Government and that of the Government of India. The deduction on account of excess net receipts of the Eastern Bengal Railway has been made by the Government of India under "XXVI—State Railways, gross earnings," and no allowance need therefore be made under "Land Revenue." As orders were issued by the Lieutenant-Governor for the adjustment of the claim of the Government of the North-Western Provinces before the close of the year 1887-88, the deduction of Rs. 1,59,000 from the Provincial share of Land Revenue of this Government will be maintained in the revised estimate as now adopted. The Accountant-General has advised that a refund of Rs. 5,836, or Rs. 6,000 in round numbers, will be made to Bengal on account of the unauthorized credit afforded to Imperial in 1885-86 for copying fees realized in court-fee stamps. A sum of Rs. 41,000 has been added on account of the Police charges of the Eastern Bengal State Railway, sanctioned in the Finance and Commerce Department No. 3837, dated the 24th October 1888, in order that the charges may be adjusted in the Provincial section of the accounts from 1887-88. The net payment to Imperial on account of all adjustments will thus amount to Rs. (3,70,000+1,59,000—6,000—41,000=) 4,82,000.

The preliminary accounts of March 1888, furnished by the Accountant-General, show that the total Land Revenue charges in 1887-88 amounted to Rs. 33,57,000. These do not probably include the survey charges transferred from the estimate of the Government of India. The latest estimate of the Surveyor-General of these charges is Rs. 68,000. This amount, added to the total charges shown in the preliminary account, will raise the revised estimate from Rs. 33,00,000 to Rs. 34,25,000.

8. 6—*Stamps.*—The preliminary account furnished by the Accountant-General does not show the value of stamp paper supplied to Bengal from the Central Store. A sum of Rs. 1,91,000 has been taken as the estimated cost of paper for the current year, and this may also be taken as the estimate for last year. The Provincial share will then amount to Rs. 1,43,000. The Provincial expenditure under the remaining heads amounted to Rs. 2,24,000. The revised estimate will stand at Rs. 3,67,000 against Rs. 3,64,000, the estimate reported to the Government of India.

9. *IX and* 11—*Forests.*—The preliminary accounts furnished by the Accountant-General show that the Provincial share of Forest receipts amounted to Rs. 2,88,000, and of Forest expenditure to Rs. 1,70,000. These figures are subject to considerable modifications. The estimate as passed by the Government of India will be retained.

10. *XVI and* 19—*Jails.*—The preliminary accounts of the Jail Department are also subject to considerable adjustments. Thus the receipts of 1886-87, when finally adjusted, rose from Rs. 6,19,000 in the preliminary account to Rs. 7,45,000 in the final account. The expenditure also rose

from Rs. 16,44,000 to Rs. 16,66,000. The preliminary accounts of 1887-88 show that the receipts in that year were Rs. 6,55,000, and the expenditure Rs. 15,20,000. The actuals of 1886-87 will be taken.

11. 20—*Police.*—The preliminary accounts furnished by the Accountant-General show that the Provincial Police expenditure amounted to Rs. 47,88,000. A sum of Rs. 41,000, which represents the Police charges of the Eastern Bengal State Railway, has been added to this for reasons explained in paragraph 7 above. The revised estimate for 1887-88 will therefore be taken at Rs. 48,29,000.

12. 24—*Medical.*—The account of March 1888 shows that the total expenditure under this head in 1887-88 was Rs. 14,16,000, against Rs. 14,36,000 shown in the preliminary account of March 1887. The actual expenditure in 1886-87 after final adjustments amounted to Rs. 14,64,000. The revised estimate for 1887-88 will be taken at Rs. 14,50,000.

13. 30—*Stationery and Printing.*—The preliminary account of the Accountant-General does not include the value of stationery supplied from Central Stores. The cost in 1886-87 amounted to Rs. 5,41,000, and the estimate for 1888-89 is Rs. 5,45,000. A sum of Rs. 5,45,000 may be taken as the estimate for last year. The expenditure under other sub-heads amounted to Rs. 5,04,000, so that the revised estimate of total expenditure may be placed at Rs. 10,49,000, against Rs. 10,41,000 estimated by the Government of India.

14. *XXV and* 32—*Miscellaneous.*—The actuals under these heads undergo considerable adjustment before they are finally closed. The preliminary accounts show the "unclaimed deposits" to have been Rs. 74,580 against Rs. 3,60,000, the estimate for the year, and the "miscellaneous refunds" to have been Rs. 2,77,459 against the estimate of Rs. 10,000. The total receipts in 1886-87 amounted to Rs. 7,03,000, although they were shown in preliminary accounts to have been Rs. 3,68,000. The receipts in the preliminary accounts of 1887-88 are shown to be Rs. 4,44,000. The actual receipts after all adjustments will probably amount to Rs. 7,75,000, and the total expenditure to Rs. 3,00,000. These figures will stand as the revised estimate for 1887-88.

15. *XXVI and* 38—*Railways.*—The estimates of the Government of India are compared in the following table with those originally passed by the Government of Bengal :—

	Revised estimate originally passed by the Government of Bengal.	Revised estimate passed by the Government of India.
Receipts.	Rs.	Rs.
Eastern Bengal State Railway ...	62,32,000	96,75,000 (Eastern System)
Northern Bengal	32,28,000 (Northern Bengal, Dacca, Kaunia-Dharla, Assam-Behar)	
Dacca		
Kaunia-Dharla		
Assam-Behar		
Total Eastern System ..	94,60,000	96,75,000
Tirhoot	18,50,000	18,10,000
Nalhati	89,000	95,000
Total ...	1,13,99,000	1,16,10,000
Expenditure.		
Eastern Bengal	31,57,000	46,50,000 (Eastern System)
Northern Bengal	16,32,000 (Northern Bengal, Dacca, Kaunia, Assam-Behar)	
Dacca		
Kaunia		
Assam-Behar		
Total Eastern System ..	47,89,000	46,50,000
Tirhoot	10,60,000	10,50,000
Nalhati	65,000	65,000
Total ...	59,14,000	57,65,000

Net receipts.	Revised estimate originally passed by the Government of Bengal Rs.	Revised estimate passed by the Government of India. Rs.
Eastern Bengal Railway	30,75,000	33,50,000
Northern Bengal ... / Dacca ... ... / Kaunia-Dharla ... / Assam-Behar	15,96,000	16,75,000
Total Eastern System	46,71,000	50,25,000
Tirhoot	7,90,000	7,90,000
Nalhati	24,000	30,000
Total ...	54,85,000	58,45,000
Deduct excess of net receipts of the Eastern Bengal Railway over the contract assignment of 30 lakhs	75 000	3,50 000
Total Provincial net receipts	54,10,000	54,95,000

The Government of India have provisionally taken Rs. 3,50,000 as the excess of net receipts of the Eastern Bengal Railway over the contract assignment of 30 lakhs. In accordance with the instructions of the Government of India, the Manager of the Eastern Bengal System has recast the revised estimate passed by the Government of India and has shown separately the net receipts of the broad and metre-gauge sections of the Eastern Bengal System. The Manager's estimate shows that the excess of net receipts of the Eastern Bengal Railway over the contract assignment may be Rs. 2,84,000 :—

	Receipts. Rs.	Expenditure. Rs.	Net receipts. Rs.
Eastern Bengal Railway System—			
Broad-gauge section (Eastern Bengal Railway)	63,37,000	30,53,000	32,84,000
Metre-gauge sections (Northern Bengal, Dacca, Kaunia-Dharla and Assam-Behar)	33,38,000	15 97,000	17,41,000
Total	96,75,000	46,50,000	50,25,000

The returns of the Railway Department show that the actual gross receipts of the Eastern Bengal Railway System in 1887-88 will approximately have amounted to Rs. 95,67,000, against Rs. 96,75,000 estimated by the Government of India. The proportionate distribution of these receipts between broad and narrow-gauge sections will give for the Eastern Bengal Railway about Rs. 62,66,000, and for the other railways included in the narrow-gauge sections, Rs. 33,01,000. The estimate of working expenses as passed by the Government of India, and recast by the Manager of the Eastern Bengal Railway, will be retained, as no later information is available to modify it. The net receipts of the two sections (broad and narrow-gauge) will thus have amounted to Rs. 32,13,000 and Rs 17,04,000, respectively, of which a sum of Rs. 2,13,000, being the excess of net receipts of the Eastern Bengal Railway over the assignment of 30 lakhs, is payable to Imperial. The returns of the Tirhoot and Nalhati Railways show that the actual gross receipts in 1887-88 will have amounted to Rs. 18,51,000 and Rs. 97,000 respectively. The net receipts from all Railways, so far as the Provincial account is concerned, will have amounted to Rs. 55,37,000, against Rs. 54,95,000 estimated by the Government of India, thus—

RECEIPTS.

	Rs.
Eastern Bengal Railway ...	62,66,000
Minus—Excess over contract assignment	2,13,000
	60,53,000
Other sections of the Eastern Bengal System	+33,01,000
Tirhoot ...	18,51,000
Nalhati	97,000
Total	1,13,02,000

EXPENDITURE.	Rs.
Eastern Bengal Railway	30,53,000
Other sections of the Eastern Bengal System	15,97,000
Tirhoot	10,50,000
Nalhati	65,000
Total	57,65,000
Total net receipts	55,37,000

41—*Miscellaneous Railway Expenditure.*—The latest return of the Examiner of Public Works Accounts shows that the Miscellaneous Railway expenditure in 1887-88 will have amounted to Rs 68,000 against Rs. 70,000, the estimate originally adopted. The revised estimate will now be placed at Rs. 68,000.

16. *XXIX and 42—Irrigation, Major Works.*—The Government of India have passed the estimate as originally proposed by the Government of Bengal. The collection of water-rates during 1887-88, as compared with the estimate of the year, show, however, a decrease of more than 2¼ lakhs, chiefly under Sone Canals. The statement received from the Examiner of Public Works Accounts shows that the total receipts will not have amounted to more than Rs. 11,03,000, against Rs. 13,58,000 originally estimated, and the working expenses to have been Rs. 15,04,000, against the estimate of Rs. 15,25,000. The figures now reported by the Examiner will be taken as the revised estimates for 1887-88.

The Examiner's statement also shows that the capital outlay on these works in 1887-88 will have amounted to Rs. 5,17,000, against Rs. 7,50,000 provided for in the revised estimate. This will reduce the estimate of charges for interest by about Rs. 9,000 for 1888-89, and Rs. 5,000 for 1887-88.

17. *XXX and 43—Irrigation Minor Works by Public Works Department.*—The approximate account furnished by the Examiner of Public Works Accounts shows that the receipts under this head in 1887-88 aggregated Rs. 8,63,000, and the expenditure Rs. 15,18,000. The expenditure in the Civil Department was Rs 2,000. The estimates will accordingly be modified.

18. *XXXII and 45—Civil Works by Public Works Department.*—The statement of the Examiner of Public Works Accounts shows that the total receipts under this head will approximately have amounted to Rs. 1,75,000, and the total expenditure to Rs. 27,61,000. These figures will be adopted as the revised estimates for 1887-88.

19. 45—*Civil Works by Civil Officers.*—The revised estimate, as originally submitted to the Government of India, provided Rs. 17,000 for contributions to Municipal and other Excluded Local Funds, and Rs. 5,000 for charges on account of ferries in districts in which the Local Self-Government Act had not been introduced. A sum of Rs. 2,000 was also provided for refunds of ferry receipts. The Government of India have raised the estimate to Rs. 87,000, of which Rs. 57,000 represents refunds of receipts wrongly credited under this head in 1886-87. The preliminary accounts show that these refunds aggregated Rs. 1,39,000, and that the other charges included under this head, exclusive of grants to Excluded Local Funds, amounted to Rs 27,000. The estimate has now accordingly been raised to Rs. (1,39,000+27,000+17,000=) 1,83,000

20. According to the revised estimate now adopted, the closing balance will stand at Rs. 32,47,000, against Rs. 35,99,000 anticipated by the Government of India when passing the estimate for the current year.

BUDGET ESTIMATE, 1888-89.

21. The Lieutenant-Governor has already in separate Resolutions reviewed the estimates of receipts and expenditure for the current year. A brief summary only of the general character of these estimates need now

be given. The following table shows the estimates of the Government of Bengal and the Government of India :—

RECEIPTS.	Estimate of the Government of Bengal reported to the Government of India.	Estimate of the Government of India.	Estimate now adopted.
	Rs.	Rs.	Rs.
Opening balance ...	33,71,000	35,09,000	32,47,000
Principal heads of revenue—			
I.—Land Revenue—			
Proper	98,53,000	98,69,000	98,50,000
Adjustment	−5,81,000	−5,81,000	−5,19,000
III.—Salt	89,000	89,000	89,000
IV.—Stamps	1,05,75,000	1,05,75,000	1,06,50,000
V.—Excise	27,50,000	27,50,000	27,50,000
VI.—Provincial Rates	42,03,000	42,03,000	42,03,000
VII.—Customs ..	62,000	62,000	62,000
VIII.—Assessed Taxes ..	19,00,000	19,00,000	19,24,000
IX. Forests	3,65,000	3,65,000	3,65,000
X.—Registration	5,00,000	5,10,000	5,10,000
Total ..	2,97,16,000	2,97,42,000	2,98,84,000
XII.—Interest	72,000	71,000	71,000
Post office, Telegraph and Mint—			
XIV.—Telegraphs	1,000	1,000	1,000
Receipts by Civil Department—			
XVI.—Law and Justice—			
Fees, fines and forfeitures of Judicial Courts, &c.	7,75,000	7,75,000	7,75,000
Jails ..	7,45,000	7,45,000	7,45,000
XVII.—Police ...	3,30,000	3,30,000	3,41,000
XVIII.—Marine	8,98,000	9,00,000	9,25,000
XIX.—Education ...	5,17,000	5,25,000	5,25,000
XX. Medical ..	1,56,000	1,56,000	1,40,000
XXI.—Scientific and other Minor Departments.	1,65,000	1,40,000	1,65,000
Total ..	35,86,000	35,71,000	36,16,000
Miscellaneous—			
XXII.—Receipts in aid of Superannuation	46,000	46,000	46,000
XXIII.—Stationery and Printing	1,81,000	1,82,000	1,82,000
XXV.—Miscellaneous ...	7,08,000	7,08,000	7,50,000
Total ..	9,35,000	9,36,000	9,78,000
Railways—			
XXVI.—State Railways (gross earnings)—			
Eastern Bengal Railway .	60,00,000	1,14,40,000	60,77,000
Other Railways ..	53,97,000		54,60,000
Total .	1,13,97,000	1,14,40,000	1,15,37,000
Irrigation—			
XXIX.—Major works (direct receipts)	13,58,000	13,58,000	12,00,000
XXX.—Minor works and Navigation by Public Works Department.	8,18,000	8,18,000	8,18,000
Minor works and Navigation by Civil Department.	1,03,000	1,03,000	1,03,000
Total	22,79,000	22,79,000	21,21,000
Buildings and Roads—			
XXXII.—Civil Works—			
By Public Works Department	1,75,000	1,75,000	1,75,000
By Civil Department ...	2,13,000	2,13,000	2,13,000
Total .	3,88,000	3,88,000	3,88,000
Contributions .	....	.	......
Total ...	4,83,74,000	4,84,28,000	4,85,96,000
GRAND TOTAL	5,17,45,000	5,20,27,000	5,18,43,000

EXPENDITURE.	Estimate of the Government of Bengal reported to the Government of India	Estimate of the Government of India.	Estimate now adopted.
	Rs.	Rs.	Rs.
Direct demand on the Revenues—			
1. Refunds and drawbacks ..	1,48,000	1,48,000	1,48,000
2. Assignments and compensations	1,49,000	1,49,000	1,49,000
Charges in respect of collection—			
3. Land Revenue	35,89,000	35,90,000	35,97,000
5. Salt	12,000	12,000	12,000
6. Stamps	3,46,000	3,64,000	3,46,000
7. Excise	1,12,000	1,11,000	1,12,000
8. Provincial Rates . ..	2,91,000	2,91,000	2,91,000
9. Customs	5,38,000	5,39,000	5,45,000
10. Assessed Taxes	72,000	72,000	84,000
11. Forests	2,19,000	2,19,000	2,19,000
12. Registration	2,86,000	2,85,000	2,86,000
Total ..	57,62,000	57,80,000	57,89,000
Post-office, Telegraph and Mint—			
16. Telegraphs	1,000	1,000	1,000
Salaries and expenses of Civil Department—			
18. General Administration .	15,33,000	15,33,000	15,38,000
19. Law and Justice—			
Judicial Courts	81,37,000	81,30,000	81,51,000
Jails .	17,00,000	17,10,000	16,75,000
20. Police	47,12,000	47,12,000	47,53,000
21. Marine	9,91,000	9,60,000	13,18,000
22. Education ...	24,16,000	24,13,000	24,46,000
24. Medical	14,83,000	14,83,000	14,70,000
25. Political .. .			21,000
26. Scientific and other Minor Departments.	3,38,000	3,38,000	3,24,000
Total ..	2,13,10,000	2,12,88,000	2,16,96,000
Miscellaneous—			
29. Superannuation, &c. .	12,66,000	12,79,000	12,79,000
30. Stationery and Printing .	10,65,000	10,65,000	10,65,000
32. Miscellaneous ..	1,96,000	1,97,000	2,17,000
Total ..	25,27,000	25,41,000	25,61,000
Famine relief and insurance—			
33. Famine relief ...			15,000
37. Construction of Railways ...	5,000	5,000	5,000
Railways (Revenue account)—			
38. State Railways—			
Working expenses—			
Eastern Bengal	30,00,000	58,95,000	30,77,000
Other Railways	30,20,000		28,18,000
Interest on debt .	32,64,000	32,62,000	32,62,000
40. Subsidized Companies—Land, &c.	1,000	2,000	2,000
41. Miscellaneous Railway expenditure.	87,000	72,000	93,000
Total ...	93,72,000	92,31,000	92,52,000
Irrigation—			
42. Major works—			
Working expenses	14,00,000	14,00,000	14,00,000
Interest on debt	23,52,000	23,48,000	23,39,000
43. Minor works and Navigation ...	18,17,000	18,17,000	18,17,000
Total ...	55,69,000	55,65,000	55,56,000
Buildings and Roads—			
45. Civil Works—			
By Public Works Department	40,00,000	40,00,000	39,13,000
,, Civil Department	30,000	30,000	33,000
Total ...	40,30,000	40,30,000	39,46,000
Contributions	10,63,000	10,13,000	7,30,000
Total ...	4,96,39,000	4,94,54,000	4,95,51,000
Closing balance	21,06,000	25,73,000	22,92,000
GRAND TOTAL ...	5,17,45,000	5,20,27,000	5,18,43,000
Provincial surplus (+) or deficit (−) ...	−12,05,000	−10,26,000	−9,55,000

RECEIPTS.

22. *Land Revenue.*—The Government of India have raised the estimate of total Land Revenue of the year 1888-89 from Rs. 3,82,00,000 to Rs. 3,82,60,000. As, however, the collections of last year only aggregated Rs. 3,79,96,000, the Lieutenant-Governor would not raise the estimate originally framed. The 10 per cent. on collections of Government estates has been estimated at Rs. 4,00,000, so that the Provincial share of Land Revenue (proper) may amount to ¼th of (Rs. 3,82,00,000 — 4,00,000) + 4,00,000, or Rs. 98,50,000, against Rs. 98,69,000 estimated by the Government of India. The adjust-

ments between Imperial and Provincial will probably result in a net deduction of Rs. 5,19,000, as shown below:—

	Estimate of the Government of India.	Estimate of the Government of Bengal as now adopted.
	Rs.	Rs.
Adjusting contribution, original portion	(—) 6,90,000	(—) 6,90,000
For purchase of a brig to replace the *Cassandra*	(+) 1,00,000	(+) 1,00,000
For net adjustment on account of import of Shabjehanpore rum and export of ganja	(+) 1,000	(+) 1,000
For Custom-house Appraisers ...	(+) 8,000	(+) 8,000
For provincialization of ordinary Political charges	......	(+) 21,000
For provincialization of the Police charges of the Eastern Bengal State Railway	......	(+) 41,000
Total ...	(—) 5,81,000	(—) 5,19 000

23. *Salt.*—The Provincial Salt revenue is recorded under the heads of Rents of Warehouses, Fines and forfeitures, and Miscellaneous. The first head, which is the most important, represents the receipts from bonding warehouses. The contract assumed that these receipts would amount to Rs. 1,00,000. The revised estimate for 1887-88 amounts to Rs. 78,000, and the estimate for the current year is Rs. 89,000. The large decrease in 1887-88 was due to a reduction in the importation of Karkutch salt.

24. *Stamps.*—The total receipts from stamps were originally estimated by the Accountant-General at Rs. 1,35,10,000. The receipts in 1887-88 will probably have amounted to Rs. 1,38,15,000, against Rs. 1,34,63,000 obtained in the preceding year. The Government of India have adopted the estimate of the Local Government, amounting to Rs. 1,41,00,000, for the current year. The receipts in the first six months of the current year amounted to Rs. 73,61,416, against Rs. 68,94,470 obtained in the corresponding period of 1887-88, showing an increase of Rs. 4,66,946 The Lieutenant-Governor thinks that the estimate can safely be raised to Rs. 1,42,00,000. The Provincial share will amount to Rs. 1,06,50,000.

25. *Excise.*—The total Excise revenue will probably have amounted to Rs. 1,08,66,000 in 1887-88 against Rs. 1,00,00,000, the original estimate for the year. The latest district returns show that the receipts in the first six months of the current year were Rs. 2,10,629 in excess of the receipts realized in the corresponding period of last year. The estimate of Rs. 1,10,00,000 for the current year, which has been accepted by the Government of India, will be retained. The Provincial share will be Rs. 27,50,000.

26. *Provincial Rates.*—The receipts from "Public Works cess" will have amounted to Rs. 38,20,000 against Rs. 38,49,000, the revised estimate originally adopted. The "rates levied for the management of Wards' and Attached Estates" will have aggregated Rs. 1,03,000, and the "proportionate cost of establishment for collecting the cesses recovered by deduction from road cess" amounted to Rs. 3,04,000. The revised estimate of total receipts under this head thus amounts to Rs. 42,27,000. The rates for the management of the Burdwan estate were in arrears, and were probably all recovered in 1887-88. There is no probability that the receipts on this account in 1888-89 will amount to the receipts of 1887-88, or that the original estimate of Rs. 81,000 will be exceeded. The original estimate of total receipts amounting to Rs. 42,03,000, which has also been adopted by the Government of India, will stand.

27. *Customs.*—The Provincial Customs revenue consists of "warehouse and wharf rents," of "fees for the registration of cargo-boats and for the attendance of preventive officers on holidays and after the usual hours," and of sale-proceeds of under-valued goods. The estimate of Rs. 62,000 against Rs. 60,000, the revised estimate for the current year, will stand.

28. *Assessed Taxes.*—The estimate of the Government of India provided for an increase of one lakh over the revised estimate for last year. The receipts in 1887-88 will have amounted to Rs. 37,38,000, and for 1888-89 they may be

estimated at Rs. 38,38,000. An irregular practice was found to have arisen under which the pay of extra peons employed on the execution of distress warrants for the recovery of arrears of income-tax and the cost of contingencies were realized by Collectors, only savings from defaulting assessees being credited to Government. It has now been ruled that the costs should be credited in full and the actual charges drawn on bills. A grant of Rs. 11,000 has been placed at the disposal of the Board of Revenue to meet the cost of temporary establishments and contingencies for the Warrant Department of the Collectors' offices, and a corresponding amount may be added on the receipt side. The total receipts under assessed taxes are now estimated at Rs. 38,49,000. The Provincial share will therefore be Rs. 19,24,000.

29. *Forests.*—The Provincial share of the receipts under this head is estimated at Rs. 3,65,000, against Rs. 3,50,000 for last year. The increase is chiefly due to the inclusion of the receipts for the Bengal share of drift timber operations on the Gunduck river.

30. *Registration.*—The Government of India have raised the estimate of the Local Government from Rs. 10,00,000 to Rs. 10,20,000. The receipts in 1887-88 will probably have amounted to Rs. 10,18,000. The estimate of the Government of India will be adopted.

31. *Law and Justice (Judicial Courts.)*—The fees, fines and forfeitures of Judicial Courts are estimated at Rs. 7,75,000 against Rs. 7,77,000, the latest estimate for 1887-88.

32. *Jails.*—The Inspector-General of Jails originally estimated the total receipts for the current year at Rs. 7,73,000. The estimate was reduced to Rs. 7,45,000 with reference to the actuals of 1886-87 which amounted to Rs. 7,45,000. The estimate for the current year is fixed at that sum.

33. *Police*—The Accountant-General's original estimate of Provincial receipts under this head was Rs. 2,78,000, which included a provision of Rs. 25,000 for sale-proceeds of unclaimed stray cattle and fees on such cattle realized in districts where the Local Self-Government Act has not been introduced. It is anticipated that these receipts may amount to Rs. 77,000. The estimate has accordingly been raised to Rs. 3,30,000. As under orders of the Government of India, Military Department, the cost of Cantonment Police will be recovered from the Cantonment Funds, a sum of Rs. 11,000, representing the existing charges on this account, will be added to the estimate of Provincial receipts. The total will stand at Rs. 3,41,000.

34. *Marine.*—The contract assignment for Provincial Marine receipts is Rs. 8,08,000. The Chittagong pilotage receipts are now adjusted under this head, and there has lately been greater activity in trade. The receipts in 1887-88 will have amounted to Rs. 9,10,000 The estimate of Rs. 9,00,000 for 1888-89, which has been passed by the Government of India, will be raised by Rs. 25,000 on account of the sale-proceeds of the *Cassandra* and the *Undaunted* which were not taken into account when the estimates were framed.

35. *Education.*—The estimate of receipts, as passed by the Government of India, amounts to Rs. 5,25,000 against Rs 6,63,000, the latest estimate for 1887-88. The estimate for 1887-88 includes about Rs. 1,30,000 on account of refunds of charges paid by Government on behalf of District Boards in 1886-87. The estimate of the Government of India will be adopted.

36. *Medical.*—The estimate of the receipts under this head for the current year was placed at Rs. 1,56,000 with reference to the actuals of 1886-87. The average receipts in the four years 1882-86 were Rs. 1,42,000, and the actuals in 1887-88 will have amounted to not more than Rs. 1,31,000. The hospital receipts last year were only Rs 48,000, against Rs. 73,000 obtained in 1886-87. It will not be safe to place the estimate for the current year at a higher figure than Rs. 1,40,000, the amount which the Government of India passed as the revised estimate for 1887-88.

37. *Scientific and other Minor Departments.*—The Accountant-General's original estimate of receipts under this head was Rs. 1,38,000, of which Rs. 1,17,000 represented receipts from cinchona plantations. An improved method of extracting the alkaloids from cinchona bark has been adopted, and an increase of Rs. 27,000 in receipts is anticipated. The cinchona receipts in 1887-88 will have amounted to Rs. 1,25,000, and there is every probability

of the Superintendent's estimate being obtained. The estimate of Rs. 1,65,000 for total receipts originally passed by this Government will be retained.

38. *Superannuation.*—The Provincial receipts under this head consist chiefly of contributions received from officers employed on foreign service. The total receipts in 1887-88 will probably have been Rs. 46,000, and a like amount has been taken as the estimate for the current year.

39. *Stationery and Printing.*—The Government of India have passed the estimate of the Government of Bengal, amounting to Rs. 1,81,500. It will stand at Rs. 1,82,000 in round numbers.

40. *Miscellaneous.*—The total receipts under this head in 1887-88 will probably have, after all adjustments, amounted to Rs. 7,75,000. The estimate for the current year may be raised from Rs. 7,08,000 to Rs. 7,50,000.

41. *State Railways (gross earnings).*—The estimates of State Railways, as passed by the Government of India, have been recast, showing separately the receipts and working expenses of the broad and narrow-gauge sections of the Eastern Bengal System. The estimates are compared below with the revised estimates for 1887-88 as adopted in paragraph 15 above :—

	Revised estimate for 1887-88.	Estimate for 1888-89 originally reported to the Government of India.	Estimate of the Government of India for 1888-89.	Estimate for 1888-89 now adopted.
Receipts.	Rs.	Rs.	Rs.	Rs.
Eastern Bengal Railway	.62,66,000	60,00,000		64,40,000
Northern Bengal, Dacca ..., Kaunia-Dharla ...	33,01,000	34,50,000	98,00,000	
Assam-Behar ...				34,60,000
Total Eastern System .	95,67,000	91,50,000	98,00,000	99,00,000
Tirhoot ...	18,51,000	18,58,000	19,00,000	19,00,000
Nalhati ...	97,000	89,000	90,000	1,00,000
Total .	1,15,15,000	1,13,97,000	1,17,90,000	1,19,00,000
Expenditure.				
Eastern Bengal .	30,53,000	30,00,000		30,77,000
Northern Bengal, Dacca ..., Kaunia-Dharla .	15,97,000	18,70,000	47,50,000	
Assam-Behar .				16,73,000
Total Eastern System	46,50,000	48,70,000	47,50,000	47,50,000
Tirhoot ...	10,50,000	10,75,000	10,75,000	10,75,000
Nalhati ...	65,000	72,000	70,000	70,000
Total	57,65,000	60,20,000	58,95,000	58,95,000
Net Receipts.				
Eastern Bengal Railway	32,13,000	30,00,000	33,50,000	33,63,000
Northern Bengal ..., Dacca ... ..., Kaunia-Dharla ..., Assam-Behar ...	17,04,000	15,80,000	17,00,000	17,87,000
Total Eastern System .	49,17,000	45,80,000	50,50,000	51,50,000
Tirhoot .	8,01,000	7,80,000	8,25,000	8,25,000
Nalhati	32,000	17,000	20,000	30,000
Total ...	57,50,000	53,77,000	58,95,000	60,05,000
Deduct excess of net receipts of the Eastern Bengal Railway over the contract assignment of 30 lakhs ...	2,13,000		3,50,000	3,63,000
Total Provincial	55,37,000	53,77,000	55,45,000	56,42,000

The Manager of the Tirhoot State Railway has explained that the decrease in the receipts from that line has been due to the circumstance that dealers in

produce have held back their stocks under an apprehension of scarcity, and that this apprehension being now removed, a considerable expansion in revenue may be anticipated. The Lieutenant-Governor, nevertheless, deems it prudent to adopt the estimate of the Government of India.

The total gross receipts will then be Rs. 1,15,37,000, thus:—

		Rs.	Rs
From Eastern Bengal Railway ..	...	64,40,000	
Less excess of Contract assignment	...	3 63,000	
Total	..		60,77,000
From other Railways of Eastern Bengal System		34,60,000	
Tirhoot	...	19,00,000	
Nalhati	...	1,00,000	
			54,60,000
Total			1,15 37,000

42. *Irrigation Major Works (direct receipts).*—The estimate for 1888-89 has been fixed at the same amount as the original estimate for 1887-88, viz. Rs. 13,58,000. It is, however, not expected that the collections of water-rates on the Sone Canals will reach the current demand, as the rate-payers have held back, considering that large remissions of the dues would be sanctioned as one of the consequences of the report of the late Commission of Enquiry. The total receipts in 1887-88 will not have amounted to more than Rs. 11,03,000. It will not be safe to place the estimate for 1888-89 at a higher figure than 12 lakhs.

43. *Irrigation Minor Works.*—The estimate of receipts by Public Works Department as passed by this Government has been accepted by the Government of India, and will stand.

The annual demands for recoveries on account of zemindari embankments are fixed, and amount to Rs. 1,02,198. The total receipts for 1888-89, which are collected by civil officers, are estimated at Rs. 1,03,000, which includes Rs. 700 on account of sale of grass in Chumparun.

44. *Civil Works.*—The estimate of receipts made by the Public Works Department is Rs. 1,75,000, and that of those made by Civil Officers, Rs. 2,13,000. In the budget, as originally passed for 1887-88, no provision was made for ferry receipts and charges, as the question of introducing the Local Self-Government Act from 1st April 1887 into all the districts not excluded by section 1 of the Act was under consideration. The Act has not been extended to the districts of Lohardugga, Hazaribagh, Manbhoom, Singbhoom, Dumka, Darjeeling and Chittagong Hill Tracts, and provision will be made in the Provincial budget for the receipts and charges on account of ferries in these districts, as well as for those of some ferries plying wholly or partly within municipal limits in the districts into which the Act has been introduced. In certain districts, too, it will not be possible to transfer to the Boards the entire proceeds from the ferries which have been made over to them for management. The Provincial ferry receipts in 1887-88 will probably have amounted to Rs. 2,29,000. The estimate for next year amounts to Rs. 2,11,000. The cemetery receipts are estimated at Rs. 2,000. The estimate of total receipts by Civil Officers under Civil Works will therefore be Rs. 2,13,000.

EXPENDITURE.

45. *Refunds and Drawbacks* follow the proportions assigned for the revenues in the contract. The amount chargeable in 1887-88 may be taken at Rs. 1,52,000. The estimate for the current year has been placed at Rs. 1,18,000.

46. *Assignments and Compensations.*—The only sub-head under this head, which is Provincial, is "Malikana," which was formerly classed under Land Revenue, and has been transferred here in accordance with Note 78 to Appendix II of the Civil Account Code, Volume II. The allowances in 1887-88 will probably have amounted to Rs. 1,89,000, but the average expenditure in the preceding three years was Rs 1,17,000. The increase in 1887-88 was due to the payment

of arrears, chiefly in Monghyr, Backergunge, and Durbhunga. The estimate of Rs. 1,49,000 for 1888-89, passed by this Government, and accepted by the Government of India, will be adopted.

47. *Land Revenue.*—The estimate for the current year is thus compared with the revised estimate for 1887-88—

	Revised estimate, 1887-88, passed by the Government of India.	Revised estimate, 1887-88, adopted in this Resolution.	Estimate, 1888-89.
	Rs.	Rs.	Rs.
1. Charges of district administration ...	27,84,000	28,32,000	28,98,000
2. Management of Government estates ...	2,61,000	3,53,000	3,30,000
3. Survey and settlement charges	1,71,000	1,52,000	2,96,000
4. Land Records and Agriculture	84,000	88,000	66,000
Total ...	33,00,000	34,25,000	35,90,000

The increase under the first head is due to the general development of administrative charges, to the transfer of Rs. 20,000 from the Miscellaneous budget to provide for the payment of municipal rates and taxes on Government buildings occupied by Revenue offices, and to increased provision for the process-serving establishment. The increase under the third head is chiefly due to the increase of Surveyor-General's estimate from Rs. 68,000 in 1887-88 to Rs. 1,72,000 in 1888-89. The estimate as passed by the Government of India thus amounts to Rs. 35,90,000. This will be increased by Rs. 5,000 to provide for the temporary establishment sanctioned in Government order No. 1735—750, dated the 21st May 1888, for certificate work of the Majnamutha and Jellamutha estates in Midnapore, and by Rs. 2,000 on account of the additional establishments sanctioned in Government order No. 2238—286Agri., dated the 4th July 1888, for the Director of Land Records and Agriculture. The total grant will be Rs. 35,97,000.

48. *Stamps.*—The Provincial portion of the expenditure under this head in 1887-88 will have amounted to Rs. 3,67,000, and the estimate for the current year has been passed by the Government of India for Rs. 3,64,000. The reduction of the rate of discount, sanctioned in Government order No. 1380, dated 29th March 1888, on the sale of court-fee stamps of higher values than one rupee, will, it is anticipated, bring in a saving of Rs. 26,000, and will reduce the Provincial share of expenditure under Stamps by Rs. 18,000. The estimate as originally passed by the Local Government, amounting to Rs. (3,64,000—18,000=) 3,46,000, will stand.

49. *Excise.*—The total expenditure of the Excise Department for the current year has been estimated at Rs. 4,46,000 against Rs. 4,24,000, the amount probably expended in 1887-88. The Board have submitted fresh proposals, which would increase the expenditure to Rs. 4,50,000. On this a reduction of Rs. 2,000, in round numbers, will be made on account of the sum made over to the Patna Municipality for metalling the Kumrar road, which connects the Patna distillery with the Durgah road and thereby with the City of Patna. The grant will stand at Rs. 4,48,000, thus:—

	Budget provision.	Grant now sanctioned.
	Rs.	Rs.
Presidency Administrative establishment ...	8,700	4,675
Ditto Executive ditto ...	74,500	74,500
Deputy Collectors	28,800	34,600
Sub-Deputy Collectors	14,400	12,600
District establishments	2,40,773	2,45,037
Travelling allowances	52,480	52,480
Supplies, &c.	25,947	23,604
Add for rounding	400	504
Total ...	4,46,000	4,48,000
Provincial ...	1,11,000	1,12,000

The expenditure is divided between Imperial and Provincial in the proportion of three-fourths and one-fourth. The Provincial share for the current year will be Rs. 1,12,000.

50. *Provincial Rates.*—Before the enactment of the Local Self-Government Act, the cost of collecting the cesses was finally recorded in the books of the District Road Funds, the Government share of the cost of collecting the Public Works cess being adjusted under contributions from Provincial to Local. The cost of collecting the cesses is now recorded in the Provincial account, and is estimated at Rs. 2,91,000. The estimate has been passed by the Government of India, and will stand.

51. *Customs.*—The estimate of total expenditure of the Customs Department, as passed by the Government of India, amounts to Rs. 5,39,000. The estimate makes no provision for the additional establishment required for carrying out the provisions of the Petroleum Act, II of 1888. A temporary establishment, costing Rs. 300 per mensem, was employed during the first 4½ months of the current year, and since then a permanent establishment, at a cost of Rs. 553-4, has since been sanctioned under the orders of the Board of Revenue. The estimate will be raised by Rs. 6,000. As this is a new charge, for which no provision was made in the Provincial contract, an application has been made to the Government of India for an additional assignment to the Provincial Revenues to meet the expenditure, but pending the receipt of orders no credit for an allotment will be taken under Land Revenue.

52. *Assessed Taxes.*—The total expenditure for the collection of income-tax was originally estimated at Rs. 1,44,000. The expenditure in 1887-88 will have amounted to Rs. 1,52,000. On the recommendation of the Board of Revenue, sanction has already been accorded to the employment of establishment at a cost of Rs. 1,51,000 for the current year, and to this has been added Rs. 11,000 for temporary establishment and contingencies of the Collectors' Warrant Department, as stated in paragraph 28 above, and Rs. 6,475 to meet the initial charges and the increase of establishment sanctioned in connection with the transfer of the Income-tax Office from the Calcutta Collectorate to the Custom House. The estimate will then stand at Rs 1,69,000, and the Provincial share at Rs. 84,000, as shown below —

	Rs.
District offices	1,00,534
Collector's office, Calcutta	40,072
Increase of establishment for transfer of the Income-tax Office from the Calcutta Collectorate to the Custom House	5,496
Purchase of furniture for ditto	979
Commissioners' offices	4,380
Board's office	5,976
Warrant Department	11,000
Add for rounding	543
Total ...	1,69,000
Provincial share	84,000

The Lieutenant-Governor has also sanctioned an expenditure of Rs. 4,098 for making additions and alterations to the Custom House premises for the accommodation of the Income-tax Office. The work will, however, be undertaken by the Public Works Department, and the charge will be adjusted in the books of that Department.

53. *Forests.*—The expenditure of the Forest Department for the current year is estimated at Rs. 4,38,000, against Rs. 4,22,000 for 1887-88. The increase is chiefly attributable to a provision made for the Bengal share of drift timber operations in the Gunduck river.

54. *Registration.*—The expenditure of the Registration Department for 1888-89 is estimated by the Government of India at Rs. 5,70,000 against Rs. 5,78,000, the amount probably expended in 1887-88. The estimate of the Government of India does not include any provision for the payment of municipal rates and taxes on buildings occupied by the Registration offices. A provision of Rs. 3,000 was made on this account by the Local Government. The estimate will thus stand at Rs. 5,73,000 and the Provincial share at Rs. 2,86,000.

55. *General Administration.*—The total expenditure in 1887-88 may be assumed to have amounted to Rs. 15,39,000, while the estimate for the current year as originally passed by the Local Government amounted to Rs. 15,33,000. An increase of establishment, costing Rs. 4,000, has since been sanctioned in consequence of the transfer of the Marine Department from the Financial to the Public Works side of the Secretariat. The salaries of the establishment of the Marine Department will continue to be adjusted under General Administration. The estimate under this head will accordingly be raised by Rs. 4,000, and to meet this extra cost a corresponding reduction has been made in the Public Works grant for 1888-89. A further increase of Rs. 1,000 will be made under this head to provide for the pay of two assistants lately sanctioned in the Statistical Department, to enable that Department to submit to the Government of India certain quarterly returns of the river-borne trade of Calcutta. The total grant under this head will stand at Rs 15,38,000.

56. *Law and Justice (Judicial)*—The estimate of expenditure under this head as passed by the Government of India amounts to Rs. 81,39,000 against Rs. 79,41,000, the probable expenditure of 1887-88. There was one Judge absent on furlough during 1887-88, and the appointment was not filled up. A provision of Rs. 57,000 has been made in the estimate for 1888-89 for 19 additional Munsifs, and Rs. 33,000 for their establishment. A grant of Rs. 20,000 has also been provided under this head by transfer from the Miscellaneous budget to provide for the payment of municipal rates and taxes on buildings occupied by judicial courts. Since the estimate has been passed, a charge of Rs. 3,528 has been sanctioned, irrespective of budget provision, on account of establishment and office rent for the additional Judge, appointed for the trial of cases arising out of the acquisition of lands required for Kidderpore Docks. The appointment of two additional Munsifs for six months, and one for three months, has been sanctioned at an estimated cost of Rs. 3,000 for the districts of Hooghly and Sewan, respectively. A provision of Rs. 6,000 will also be made for an additional Subordinate Judge and his establishment, which it is proposed to appoint for the district of Bhagulpore. A re-grant of the savings in the grant for contract and other contingencies of the District Judge's court, Nuddea, for 1887-88, amounting to about Rs. 1,000, has been sanctioned for utilization during the current year. The estimate of total expenditure which would thus have risen from Rs. 81,39,000 to Rs 81,53,000, will be reduced by Rs. 2,000, the amount transferred to the Public Works Department for the construction of racks in the Court of the Judge of Burdwan.

57. *Law and Justice (Jails).*—The estimate as originally passed by the Local Government provided for a grant of Rs. 10,81,000 under "Jails" and of Rs. 6,19,000 under "Jail manufactures." The expenditure in past years has been as follows :—

	Jails.	Jail manufacture.	Total
	Rs.	Rs	Rs.
1882-83	10,32,000	6 3 ,000	16,63,000
1883-84	11,06 000	5,91,000	16,97,000
1884-85	10,90,000	5 87,000	16,77,000
1885-86	11,78,000	5,65,000	17,43,000
1886-87	10,97,000	5,69,000	16,66,000
1887-88 (approximate) ...	...	...	16,66,000

In view of the fact that there has actually been a reduction under district jails owing to the abolition of the Bhagulpore Jail and the reduction of the status of 14 other district jails, the Lieutenant-Governor would reduce the estimate of total expenditure to Rs. 16,75,000.

58. *Police.*—The estimate for 1888-89 provides for an expenditure of Rs. 47,12,000 against Rs. 48,29,000, the latest estimate for 1887-88. The estimate for 1887-88 includes a provision of about Rs. 80,000 for refunds of pound receipts wrongly credited in 1886-87. The original estimate of Rs. 47,12,000 for the current year, which is exclusive of the charges on account of the Salt Police in Orissa, but includes the salaries and contingencies of the force employed in cantonments, will be retained. The estimate makes no provision for the Police charges of the Eastern Bengal State Railway. As these charges have now been provincialized, a sum of Rs. 41,000 must be added to the original estimate. The estimate will therefore be raised to Rs. 47,53,000.

59. *Marine.*—The estimate as passed by the Local Government provided for an expenditure of Rs. 9,91,000, but the Government of India have reduced it to Rs. 9,60,000, the reduction being chiefly under the head of "Pilotage and Pilot establishment." Since the budget has been passed, an application has been received for a special allotment of three lakhs for the purchase of a new vessel to replace the *Undaunted.* As this vessel has been condemned, a provision of three lakhs will be made under this head to enable the purchase being made as soon as possible. The budget, as passed by Government, includes a provision of Rs. 3,000 to meet the anticipated deficit of the Balasore Port Fund. It appears that the Port Fund closed the year 1887-88 with a deficit of Rs. 22,829, and that no portion of the grant of Rs. 20,000 sanctioned to cover this deficit was drawn in 1887-88. It is also anticipated that the deficit for the year 1888-89 may amount to Rs. 7,036, so that the total amount required to cover the deficit during the current year will amount to Rs. 30,000, and a grant of this amount will be provided for under this head. The total grant for Marine will then stand at Rs. 13,18,000, of which Rs. 4,00,000 will be required for the purchase of two vessels to replace the *Cassandra* and the *Undaunted.*

60. *Education.*—The total Provincial expenditure on Education in 1887-88 will have amounted to Rs. 24,14,000, and the estimate for the current year, including an increased provision of Rs. 3,000 for the training of *gurus,* amounts to Rs. 24,16,000. This provision, it has been pointed out by the Director of Public Instruction, will not be sufficient to meet all the building grants to be made during the year, the increase of salaries of teachers and contingencies of the Art School in Calcutta, and the pay and establishment of two Mahomedan Assistant Inspectors whose appointment is under the consideration of Government A sum of Rs. 30,000 will be added to the estimate originally passed, and the grant placed at Rs. 21,46,000 for the current year.

61. *Medical.*—The expenditure under this head has been estimated at Rs. 14,83,000. The estimate is susceptible of reduction with reference to the expenditure of 1887-88, which probably will not have amounted to more than Rs. 14,50,000 The estimate may be placed at Rs. 14,70,000, including a provision of Rs. 1,522 for grants to the Barrackpore and Dinapore Cantonments for two years, 1887-88 and 1888-89, on account of the vaccination and dispensary charges of the Cantonments, which the funds are unable to meet.

62. *Political.*—The political charges, exclusive of those connected with special Political missions and the maintenance of Political refugees and detenus, have been provincialized with an allotment of Rs. 21,000, with effect from the commencement of the current financial year. These charges for the current year are estimated at Rs 21,000.

63. *Scientific and other Minor Departments.*—The estimate of Rs. 3,38,000 under this head includes a provision of Rs. 15,000 for the extension of the Palm-house and other miscellaneous improvements in the Botanic Gardens at Seebpore. As the expenditure is to be finally adjusted in the Public Works accounts, the grant will be removed from this head. The grant, on the other hand, will be increased by Rs. 1,000 to provide for incidental charges connected with the collection of specimens of Bengal arts and industries for transmission to the Poona Exhibition.

64. The *Superannuation* charges may be taken to have amounted to Rs. 12,79,000 in 1887-88, and the estimate for the current year has been placed by the Government of India at a like amount. The figure will stand.

65. *Stationery and Printing.*—The expenditure under this head is estimated at Rs. 10,65,000 against Rs. 10,49,000, the amount probably expended in 1887-88. An increase of Rs. 4,464 on account of temporary establishment has been provisionally sanctioned for the Stationery and Form Branches. Increases are also anticipated under the heads of Stationery purchased in the country and Printing at Private Presses. The estimate of Rs. 10,65,000 will be retained.

66. *Miscellaneous*—The estimate of Rs. 1,97,000 under this head has been raised to Rs. 2,17,000 to provide for a grant of Rs. 20,000 sanctioned to the National Association in aid of the funds raised by them for the construction of a zenana hospital in Calcutta.

67. *Famine Relief.*—A grant of Rs. 15,000 has already been sanctioned for gratuitous relief in Orissa. The sum will accordingly be entered under this head. It is however too early to assert with any certainty that this grant will not have to be increased, or to make any estimate of what may have to be expended on this account. Both from Orissa and from Behar the Lieutenant-Governor has recently received very gloomy anticipations, but it is even yet not too late for these to be falsified by a fall of rain.

68. *Railways.*—The estimates as passed by the Government of India, and recast by the Public Works Department of this Government, will be adopted except under 41—*Miscellaneous Railway Expenditure,* which has been raised from Rs. 70,000 to Rs. 93,000 to meet the cost of the survey of a line of railway from Sarai Station on the Tirhoot State Railway to Somastipore, and of a line from Durbhunga to Sitamarhee.

69. *Irrigation.*—The estimates as passed by the Government of India have been accepted by the Public Works Department of this Government, and will stand except that made under the sub-head of "Interest." The estimate under this sub-head will, as explained in paragraph 16 above, be reduced by Rs. 9,000. The estimate of the Government of India provides for a grant of Rs. 2,25,000 for the completion of the Orissa Coast Canal, but no allotment has been made to Provincial to meet this charge. The estimate of the work, which was taken into consideration at the time of the settlement of the last Provincial contract, was Rs. 41,16,200. A revised estimate for the work, amounting to Rs. 44,74,941, has been received, and is under consideration of the Public Works Department. When the decision of the Public Works Department on this estimate is communicated to the Financial Department, an application will be submitted to the Government of India for a special allotment to meet the excess charge. Pending the orders of the Government of India, no credit for an allotment will be taken in the budget.

70. *Civil Works.*—The grant for civil works by Public Works Department was fixed at Rs. 40,00,000. This has subsequently been reduced to Rs. 39,13,000 by the following additions and deductions:—

	Rs	Rs.
As originally fixed		40,00,000
Add—		
Grant for additional accommodation to the Bhowanipore Lunatic Asylum		13,196
Grant for the extension of the Palm-house of the Botanical Gardens, Seebpore		15,000
Grant for the construction of racks in the Court of the Judge of Burdwan		1,900
Grant for the repairs of the Hemtapara road in the Bhootan Dooars		1,500
For additions and alterations to the Custom House premises for the accommodation of Income-tax Office ...		4,098
		40,35,694
Deduct—		
Grant to the Baraset Board	1,136	
Grant for increase of establishment in the Marine Branch of the Secretariat transferred to the Public Works Department	4,000	
Grant to the District Board, Nuddea, for feeder roads to Majergram station of the Bengal Central Railway	2,500	
Grant on account of transfer of roads to the 24-Pergunnahs District Board ...	82,163	
Grant to the Jessore District Board ...	18,659	
Grant to the Hooghly District Board ...	14,684	
		1,23,142
Total grant		39,12,552
Or in round numbers ...		39,13,000

The estimate of civil works by the Civil Department amounts to Rs. 30,000. This will be raised by Rs. 2,000 to provide for the payment of Rs. 2,343 to the Patna Municipality for metalling the road connecting the Patna distillery with the Durgah road, and by Rs. 1,000 to meet an additional grant of Rs. 1,136 to the Burial Board sanctioned since the general estimate has been passed.

71. *Contributions.*—A grant of Rs. 10,63,000 was provided by the Local Government for contributions and grants to District and other Incorporated Local Funds. It will be sufficient if a provision of Rs. 7,30,000 is made under this head.

72. *Provincial Deficit.*—The opening balance of the year was Rs. 32,47,000. According to the estimate originally framed, it was expected that the year would close with a Provincial credit balance of Rs. 21,06,000. According to the estimate now adopted, the closing balance will be Rs. 22,92,000. The balance will thus be reduced by Rs. 9,55,000, and this represents the excess of the expenditure of the year over its receipts.

ORDER.—Ordered, that a copy of this Resolution be submitted to the Government of India, Department of Finance and Commerce, for information.

Ordered also, that a copy of the above Resolution be forwarded to the Board of Revenue, to all Commissioners of Divisions, to the Accountant-General, to the Inspectors-General of Civil Hospitals, Police, Jails and Registration, to the Director of Public Instruction, to the Conservator of Forests, to the Port Officer, Calcutta, to the Superintendent of the Botanical Gardens, and to all Departments of this Government for information.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

BENGAL DISTRESS RELIEF FUND.

THE following correspondence is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Dated 6th November 1888. *Secy. to the Government of Bengal.*

No. 268T—R, dated Darjeeling, the 28th October 1888.

From—P. NOLAN, ESQ., Secy. to the Govt. of Bengal, Revenue Dept. (Famine),
To—The Honorary Secretary, Bengal Distress Relief Fund.

I AM directed to acknowledge the receipt of your letter, dated the 4th October 1888, forwarding, for the consideration and approval of the Lieutenant-Governor, a set of rules for the working of the Bengal Distress Relief Fund. In reply, I am to state that the Lieutenant-Governor entirely approves the rules, which appear to have been drawn up by the Trustees with much care and judgment.

2. Some applications have already been made by the Government to the Trustees for funds to be spent on relief of distress, and it will probably be necessary to forward similar requests hereafter.

3. This correspondence will be published in an early issue of the *Calcutta Gazette*.

BENGAL DISTRESS RELIEF FUND.

Dated Calcutta, the 4th October 1888.

From—S. E. J. CLARKE, ESQ., Honorary Secretary, Bengal Distress Relief Fund,
To—The Secretary to the Government of Bengal, Revenue Department.

Hon'ble H J. Reynolds, Officiating Chairman.
Sir A Wilson, KT
Hon'ble Rajah Doorga Churn Law, C I E
H. W. Hallett, Esq

THE Trustees of the Bengal Distress Relief Fund direct me to submit, for the consideration and approval of His Honour the Lieutenant-Governor, a body of rules for the working of the Fund, prepared by the Honorary Secretary, and passed by them at their meeting on Monday last, 1st October; and in doing so, to explain to His Honour the circumstances which have called for such action on the part of the Trustees.

In submitting with my letter of 22nd of July 1886 the report of the general operations of the Inundations Distress Relief Fund, the Committee of that Fund suggested that the balance of the Fund should be invested so as to form the "nucleus of a Distress Fund, to be applied promptly on the occurrence of such calamities as famines or inundations in Bengal." This suggestion commended itself to His Honour Sir Rivers Thompson, who was pleased, in your No. 1964—67Fam., dated 16th August 1886, to accord to it his sanction. His Honour also approved of a further suggestion made by the Committee that the Distress Relief Fund thus formed should be under the management of four Trustees, that is, a Member of the Board of Revenue, the President of the Bengal Chamber of Commerce, the President of the British Indian Association, and the Master of the Calcutta Trades' Association. Of the Board thus formed, it was ruled that the Member of the Board of Revenue, in charge of the Miscellaneous Revenue Department, should act as Member and as President of the Board

The suggestion of the Committee thus approved by the Lieutenant-Governor was confirmed by a general meeting of the subscribers to the Fund held on the 27th August 1886. Since then the operations of the Fund have been confined to the recovery of balances from the various districts to which grants had been made. The position of the Fund is as under:—

Government securities to the value of Rs. 20,000 purchased on the 14th April 1886.
Similar securities to the value of Rs. 4,000 purchased on 27th July 1887.
Cash in hand at date Rs 5,711-12-1.

On the 1st of November next, interest will accrue to the amount of about Rs. 466, so that in round numbers the Fund may be taken to amount to Rs 30,000.

Fortunately, during the past two years, no occasion has arisen to call for the assistance of the Fund Of late, however, the accounts in the public papers and the publication of various district reports in the *Calcutta Gazette* appear to show that unhappily severe distress may be experienced at different points in the provinces under the administration of His Honour. Should an appeal to the public become necessary, it appeared to be desirable to have ready at hand a machinery capable of expanding, at short notice, to the proportions of a general charitable movement. At the same time the existence of what the Trustees hope may prove a permanent fund for the relief of distress suggested the expediency of placing before District Officers the details of the organisation of the fund as a useful guide, should it be necessary for them to supplement local efforts for relief, or to seek for outside help and assistance.

There is another side of the matter which has not escaped the attention of the Board of Trustees. If the Fund be placed upon the basis of a recognised public institution, it will, at all times, commend itself to the attention of the generous and charitably disposed amongst the public generally, and besides receiving subscriptions at special times of crisis may also at any time be strengthened by donations, either in cash, or by gift, by will or otherwise. Thus in adopting the rules now submitted, the Trustees have had an equal regard to future as well as present possible contingencies.

In commending the rules to His Honour's favourable consideration, I am to say that if, in His Honour's opinion, occasion has arisen for the services of the Distress Relief Fund, the Trustees are prepared to act on the power given them under the rules of granting immediate relief, or of forming a general movement to aid existing distress, as His Honour may consider best suited to present circumstances.

In conclusion—and should His Honour approve the rules as submitted—I am to solicit the favour of their being published, together with this letter and His Honour's reply, in an early number of the *Calcutta Gazette*. Further, should it be necessary in Sir Steuart Bayley's opinion to make immediate grants from the Fund, I am to ask that the Board in making such grants may have the advantage of consulting with yourself as to their extent and application.

BENGAL DISTRESS RELIEF FUND.

Draft of proposed Rules passed at a Meeting of the Board of Trustees held on Monday, 1st October 1888.

NAME.

1. This Fund shall be known as the Bengal Distress Relief Fund.

OBJECT.

2. The object of the Fund shall be the alleviation, by grants of money or otherwise, of well authenticated distress from inundations, failure of the crops, or other general cause in any portion of the territories administered by His Honour the Lieutenant-Governor of Bengal.

FUNDS.

3. The Bengal Distress Relief Fund shall consist—*first*, of the unexpended balance of the Inundations Distress Relief Fund of 1885; *second*, of the unexpended balances of grants to the various districts made from this Fund and recovered from the districts; and, *third*, of subscriptions received from time to time from generous and charitably disposed persons, or in response to a general appeal to the sympathies and aid of the public at large.

4. The Fund being so far as possible a permanent fund, subscriptions and donations in its aid will be thankfully received at any time and duly acknowledged in the public newspapers.

5. When not required for the active relief of distress, the moneys of the Fund shall, to as large an extent as possible, be invested in the purchase of Government securities, which securities shall remain in deposit with the Bank of Bengal.

6. Funds for the immediate work of relief shall be provided at the discretion of the Trustees in the case of need arising by the sale of a portion of the securities belonging to the Fund.

7. When an Executive Committee, as hereinafter provided for, shall have been formed, it shall be within the competency of such Committee to exercise the power conferred on the Trustees by the preceding rule.

8. If subscriptions and donations provide funds sufficient for relief operations by the Executive Committee, resort shall not be had to the investments of the Fund which, as a rule, shall be regarded as a means for affording prompt relief in cases of emergency and at the outbreak of distress, and in all other cases as a reserve to secure the permanency of the Fund.

9. As soon as a General Committee shall be formed, it shall be its first duty to invite aid from the general public.

10 All subscriptions and donations to the Fund shall be deemed to have been made in aid of its objects generally.

CONSTITUTION.

11. When, happily, there is no distress requiring the active operations of the Fund, its control shall be vested in a body of four Trustees, namely, the Member of the Board of Revenue for the Lower Provinces of Bengal, in charge of the Miscellaneous Revenue Department, the President of the Bengal Chamber of Commerce, the President of the British Indian Association, and the Master of the Calcutta Trades' Association, and the first of these shall be *ex officio* Chairman of the Board.

The Secretary of the Bengal Chamber of Commerce may, with the permission of that body, act as Secretary to the Fund, and in case of his not so acting, the Trustees may appoint the Secretary of any of the other public bodies named above Honorary Secretary of the Fund.

12. When the Government of Bengal shall notify to the Board of Trustees the existence in any part of the Bengal Provinces of distress requiring assistance from the Fund, the Board shall, at a meeting of the leading members of the different communities, to be called by the Chairman, appoint a general Committee to be called the "General Committee of the Bengal Distress Relief Fund." Such Committee shall consist of any number, not exceeding fifty (50) of the principal citizens of Calcutta, and a number, not exceeding fifty (50), of the leading residents of the mofussil.

13. As soon as the General Committee shall have been appointed, it shall hold a meeting and appoint an Executive Committee of not less than seven, or more than eleven members including the Chairman.

14. The General Committee may, at its discretion, call at any time a public meeting to interest the general body of the public in the work of the Fund, or for any other purpose connected with relief operations

15. It shall be within the power of the General Committee to call for and receive from the Executive Committee such reports as may be necessary of the operations of the Fund. All reports so received shall be submitted for the approval of His Honour the Lieutenant-Governor of Bengal.

16 As a rule, during the continuance of distress, the General Committee shall meet at least once in every month. Ten members of the General Committee shall form a quorum

17. The Chairman of the Board of Trustees shall be *ex-officio* Chairman of the General and Executive Committees

18. The Executive Committee shall meet during the continuance of distress once a week, and shall be vested with full powers to carry on, at its discretion, the work of relief by means of grants to district and sub divisional authorities, local bodies, or individuals as may appear best suited to accomplish the end in view. Five members of the Executive Committee shall form a quorum.

19. The Executive Committee shall present to the monthly meetings of the General Committee an abstract of the relief work done during the month, and, so far as possible, an estimate of assistance still to be required of the Fund.

20. The Executive Committee shall at intervals of six months, if the work of relief shall continue for any lengthened period, draw up and submit to the General Committee a report of the operations of the Fund

21 On receiving from the Government of Bengal intimation that the need for relief has passed away, the operations of the Fund shall be closed, a final report drawn up by the Executive Committee, and the Executive and General Committees shall then be dissolved, the management of the Fund reverting to the Board of Trustees as provided for in Rule 11.

22. Vacancies on either of the Committees shall be filled up by the General Committee.

RELIEF.

23. All applications, except in Calcutta, from public bodies or individuals, must be authenticated by the nearest civil authority. As a rule, the Fund will not make grants except to officers in charge of districts or sub-divisions Exceptions may be made in special cases, and where such exceptions will not interfere with the relief operations of local authorities

24. All applications for relief should state, besides the character and causes of the distress, the manner in which it is proposed that relief shall be given, and the character and extent of any local public work it is proposed to undertake.

25 Relief may take the form of supplies of food or seed-grain on the special requisition of any local authority. But, ordinarily, the relief shall be by grants from the Fund payable with the sanction of the Local Government through the various treasuries

26. With the previous sanction of the Local Government, arrangements may be made with the Accountant-General of Bengal to afford relief in urgent cases by a telegraphic remittance from that officer.

27. Local authorities who may receive relief shall submit a monthly report of their relief operations to the Executive Committee.

28. Grants for relief shall not be expended in any other way than that indicated in the application upon which the grant has been made.

GENERAL.

29 The accounts of the Fund shall be audited by the Auditors of the Bengal Chamber of Commerce

30. Notwithstanding anything provided in the above Rules, it shall be within the authority of the General Committee at their discretion, and in case of distress occurring in any Indian Province other than Bengal, to make a grant-in-aid of relief operations in such province of a sum not exceeding one-fourth part of the total available moneys at their disposal. Such grant shall be in recognition of aid received during past calamities by Bengal from her sister provinces, and as a mark of her sympathy with the sufferings of the people of those provinces.

31. Should there happily be no General Committee of the Fund, and no distress in Bengal, then the power provided for in the foregoing section shall be exercised by the Board of Trustees at their discretion under the sanction of His Honour the Lieutenant-Governor of

S. E. J. CLARKE,
Honorary Secretary.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 3rd *November* 1888.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
	Western Districts.			
BURDWAN DIVN.				
1	Burdwan	Nov. 3, '88	Nil	Weather—warmer than last week. The clouds that raised hope of rain at the beginning of the week have passed away. Price of common rice in Culna and Raneegunge has risen to 14 seers per rupee; elsewhere it is still about 16 seers.
2	Bankoora	„ 3, '88	Nil	Weather—hot and cloudy. *Amun* suffering for want of moisture; so is sugar-cane. Fields are being prepared for the sowing of *rubbi* crops. Irrigation is, however, going on. Now coarse rice now selling at 17½ seers per rupee.
3	Birbhum	„ 3, '88	Nil	Weather—hot for the season. There has been no rain and the prospects of the *amun* crop are very poor.
4	Midnapur	„ 3, '88	Nil	Weather—cloudy and close, but no rain. Crops on high lands suffering severely from drought. The canal-irrigated crop is doing well, but many leases could not be renewed on account of the supply failing. In Tumlook the crop, where not destroyed, promises to be from 8 annas to 12 annas.
5	Hugli	„ 3, '88	Nil	Weather—cloudy and hot. The continued absence of rain during the week has seriously affected the prospect of the winter rice crop, which is now certain to be a short one, especially in Jehanabad. If rain falls during next week it may still do good.
	Howrah	„ 6, '88	Nil	Weather—cloudy and not so cool as it should be; but rain holds off. Rain urgently wanted, or the paddy crop will be almost wholly lost.
	Central Districts.			
PRESIDENCY DIVN.				
6	24-Perghs.	Nov. 6, '88	Nil	Weather—cloudy every day, but no rain. Rain is much wanted for the rice crops on the higher lands; already much injury has been done.
7	Nuddea	„ 3, '88	Nil	Weather—cool and dry; rain everywhere wanted. Prospects of *amun* not so good in Ranaghat for want of rain, poor in Sudder and Kushtea, and fair in Meherpore and Chuadanga. Cultivation of cold-weather crops goes on. Price of common rice much risen in Sudder and Kushtea. In Sudder it sells at Rs. 3-2 per maund. In Meherpore, Chuadanga and Ranaghat the cheapest rice is selling from Rs. 2 to Rs. 2-4 per maund.
8	Khoolna	„ 3, '88	Nil	Weather—seasonable. Rain is wanted for all crops now standing.
9	Jessore	„ 3, '88	Nil	Weather—seasonable. Rain badly wanted for *amun* and *rubbi* crops.
10	Moorshedabad	„ 3, '88	Nil	Weather—slightly cloudy at times. *Amun* greatly suffering for want of rain. *Rubbi* sowings commenced, but require moisture.
RAJSHAHYE DIVN.				
11	Dinagepur	„ 3, '88	Nil	Weather—fine and clear. The average outturn of the winter rice for the whole district is not expected to exceed 8 annas, will probably be less, but rain in the course of the next week will make a difference. In some places the crop has failed entirely.
12	Rajshahye	„ 3, '88	Nil	Weather—cold at nights. Rain urgently wanted Rice sells at an average of 15 seers per rupee.
13	Rungpur	„ 3, '88	Nil	Weather—seasonable. There is no improvement in the prospects of the *amun* crop, and it is certain that the outturn will fall considerably below the average.
14	Bogra	„ 3, '88	Nil	Weather—cloudy throughout early part of week. Rain badly wanted. *Amun* suffering. Sugarcane excellent. Jute good.
15	Pubna	„ 3, '88	Nil	Weather—hot and cool at night. Rain much needed for the benefit of the *amun* paddy on low land. Prospect of other crops appears good.
16	Darjeeling	„ 3, '88	Nil	Weather—fair Rain much wanted for the winter crops. Price of rice going up.
17	Julpigoree	„ 4, '88	0·17	Weather—seasonable. *Haimanti* paddy suffering for want of rain. Transplantation of tobacco going on. Mustard is being sown. Sugarcane good. Common rice sells at the Sudder station at 16 seers per rupee.
	Eastern Districts.			
DACCA DIVN.				
18	Dacca	Nov. 3, '88	Nil	Weather—fine and seasonable. Ploughing for winter crops going on. Pulses and mustard are being sown in some parts of the district. *Amun* paddy has commenced to ripen. Prospects good.
19	Furreedpur	„ 3, '88	Nil	Weather—seasonable. Prospects of crops continue to be fair, but want of rain is beginning to be somewhat seriously felt.
20	Backergunge	„ 3, '88	Nil	Weather—very warm for the time of year. Prospects of crops fair. Rain is much wanted.
21	Mymensingh	„ 2, '88	Nil	Weather—seasonable. Prospects of crops good.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		***Eastern Districts*—concld.**		
CHITTAGONG DIVN.	22	Chittagong ...	...	Report not received.
	23	Noakholly Nov. 2, '88	Nil	Weather—seasonable; cloudy last two days. *Amun* generally doing well. Land is being prepared for *rubbi* crops. Rain will improve prospects.
	24	Tipperah „ 1, '88	Nil	Weather—seasonable. The rice crop is very good, but would be all the better in places for a little rain. A beginning is being made with cold-weather cultivation.
	25	Chittagong Hill Tracts. Oct. 30, '88	Nil	Weather—foggy in the morning and hot at noon. Cotton ripening in pod. Paddy in low lands flowering, but rain much wanted. Prospect of paddy not good.
		Hill Tipperah „ 31, '88	Nil	Weather—unsettled; sky rather cloudy. Prospects of paddy fair. Cotton and *til* being gathered.
BEHAR.				
PATNA DIVN.	26	Patna Nov. 3, '88	Nil	Weather—fair. Paddy crop withering for want of rain except on canal-irrigated land. *Rubbi* sowings retarded. Prices of all food-grains risen 3 to 4 seers per rupee during the last fortnight.
	27	Gya „ 3, '88	0·40	Weather—cooler. It has rained only in a small area and in scattered places. Paddy is tolerably good in low lands, but has withered in uplands. Rain badly wanted even for *rubbi* sowing.
	28	Shahabad „ 3, '88	Nil	Weather—bright and clear; mornings and evenings cool. Paddy crop is a failure except in places where canal water is available. *Rubbi* sowings still continue, but much retarded owing to absence of moisture. Rain urgently wanted. Prospects are generally gloomy. Prices rising.
	29	Durbhanga „ 3, '88	Nil	Weather—clear and getting cool. The unirrigable high land rice will fail this year. It is withering and being cut for fodder. *Rubbi* sowings slightly going on, but no moisture in soil. Prices rising daily.
	30	Mozufferpur „ 3, '88	Nil	Weather—cool in the mornings and evenings, hot during the day; occasionally cloudy. *Rubbi* sowings progressing. Rain urgently wanted for *rubbi* as well as for paddy. Prices of food-grains rising.
	31	Sarun „ 3, '88	Nil	Weather—clouding over, but no rain; rather warm again. *Rubbi* sowing continues. Sowing of poppy is in full progress. Paddy is suffering for want of rain; the outturn, however, will not be less than 8 annas.
	32	Chumparun „ 3, '88	Nil	Weather—cool and fair. Rice greatly damaged for want of rain. Prospects decidedly bad. *Rubbi* sowings germinating fairly in the Bettiah subdivision. Prices fluctuating. Rain indispensably necessary.
BHAGULPORE DIVN.	33	Monghyr „ 3, '88 Jamui ...	Nil 0·72	Weather—days hot; nights cool; occasionally cloudy, but no rain. Prospects of both winter rice and *rubbi* crops have much improved in the greater portion of the Jamui sub-division where there was rain during the week, elsewhere prospects very critical for want of rain. Prices of food-grains steady.
	34	Bhagulpur „ 3, '88	0·06	The clouds have cleared off. In a few villages in the west the rain of 29th was rather heavier than at the Sudder and did good. The high land rice is now beyond improvement. In the north sub-division the late rice can scarcely yield more than a 4 or 5-anna outturn all round: in the other three subdivisions there is still a hope of 7 or 8 annas. *Rubbi* sowings still retarded, and grubs have done some harm to sowings already made in places.
	35	Purneah „ 3, '88	Nil	Weather—a little warmer than seasonable. Standing crops on high lands gone completely; on low lands the present prospects range from 6 to 8 annas. Common rice 10 to 15 seers per rupee.
	36	Maldah „ 3, '88	Nil	Weather—getting colder. The winter rice crop on high lands is withering for want of rain. Spring crops being sown. Price of rice a little better than last week.
	37	Sonthal Perghs. „ 3, '88 Deoghur ... Jamtara ... Pakur ... Rajmahal ...	1·24 1·31 Nil 0·05 Nil	Weather—still cloudy, but growing colder. Rain fell throughout Deoghur subdivision and in most parts of Doomka sub-division. Winter rice reported safe, though a moderate crop everywhere except in Rajmehal. In Doomka and Deoghur it will be good. *Rubbi* sowing will now begin.
ORISSA.				
ORISSA DIVN.	38	Cuttack „ 2, '88	Nil	Weather—cloudy occasionally. *Sarad* rice-plants, except on the canal banks, are greatly suffering for want of rain. People are busily engaged in irrigating their fields. Price of rice rapidly rising. The state of things at Banki and Kanika is worse, but various works of relief have been opened.
	39	Pooree „ 1, '88 Khoordah ...	1·43 Nil	Weather—cloudy with occasional drizzling towards the end of week. The *sarad* crop is dying in most parts of the district for want of rain. Sufficient rain is urgently wanted. The state of the late *laghu* is critical. Common rice is selling at 15 seers 8 chittacks per rupee in the Sudder sub-division and 13 seers 4 chittacks in the Khoordah sub-division.
	40	Balasore „ 2, '88	0·03	Weather—cloudy. Much of the *sarad* rice in low lands was destroyed by floods in August and September, that on the high lands is now fast withering for want of water. If no rain falls within a week there will be scarcity. Prices rising rapidly everywhere, and are now from 30 to 50 per cent. higher than at corresponding period of last year.

No	District and date of return	Rain fall at Sudder Station in inches	Character of the weather and state and prospects of the crops.
CHOTA NAGPORE			
South-West Frontier Agency			
41	Hazaribagh Nov 2, '88	0 50	Weather—cloudy Prospects improved by rain of the 28th and 29th ultimo *Rubbi* sowings in full swing More rain wanted in parts Prices unchanged. Cattle-disease in thannas Burhi, Giridi, and Khurrukdiha
42	Lohardugga „ 3, '88	0 42	Weather—cloudy. Slight rain during the week, more urgently wanted Prospects of crops not favourable Prices rising *Rubbi* sowing retarded for want of rain
43	Singbhoom „ 2, '88	Nil	Weather—still cloudy, but no rain No change in the prospects It is doubtful whether rain would do any good now 4 annas of the winter rice may be looked upon as lost No further damage anticipated Cattle-disease reported from different parts of the district.
44	Manbhoom „		Report not received

Published for general information

CALCUTTA, REVENUE DEPT.,
The 6th November 1888.

P. NOLAN,
Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA

Names of Marts	Stock in hand as compiled on—												
	1st week of Nov 1887	1st week of Dec 1887	1st week of Jan 1888	1st week of Feb 1888	1st week of Mar 1888	1st week of Apr 1888	1st week of May 1888	1st week of June 1888	1st week of July 1888	1st week of August 1888	1st week of Sept 1888	1st week of Oct 1888	1st week of Nov 1888.
	Mds	Mds	Mds.	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds.	Mds
Baliaghatta	4 66 000	3 42 000	3 67 000	7 84 000	8 54 [illegible]	10 07 000	9 43 000	8,66 000	7,07,[illegible]00	6 45 000	5,87 000	3 03,000	3,31,500
Ooltadanga	63 900	70,400	7[illegible] 000	75 9[illegible]	97,700	1 64,200	1,42,9[illegible]0	1,43 300	1 34 400	1 10 400	95,100	76 200	65 600
Chitpore, Golabaree, Coomertoolr, Hatkhola, and Oulpy Ghât.	6 12,100	6,37,800	5 74,800	4 82,200	6 06,100	6,61,500	6 73,100	6,49 900	6,1[illegible],600	5 90 800	5,60,500	7,14 000	6 97 300
Pathuriaghatta, Posta, and Jorabagan.	4,000	5,000	5 000	4 0[illegible]	3 700	5,000	4,000	4,000	3 700	4,000	3,000	2,000	3 000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	99,400	98,100	1 20,700	1,47 600	1 98,100	1,96,[illegible]00	1,44,700	1,44,500	1,32,800	1,08 400	89 800	1,03 300	95,700
21 Minor Bazars (estimated)	2,40,000	2,40,000	2 40 000	2,40 000	2,40 000	2,40 000	2,40 000	2 40 000	2,40 000	2,40,000	2 40 000	2,40 000	2,40,000
Other retail shops 3,129 in number (estimated)	2,50,000	2 50,000	2,50,000	2 50 000	2 50,000	2,50 000	2,50,00[illegible]	2,50 000	2,50 000	2,50 000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddressur, and Chandernagore	30,616	21,031	27 629	12,194	9,277	12,942	13,210	15,687	14 455	51,646	34,012	27,945	24,210
Total	17,66,016	16,44 331	1[illegible] 93 129	19 95 [illegible]94	22 48 877	25,37,142	24,10,910	23,13 387	20,99,9[illegible]5	20,00 246	18,60,412	17,77,345	17,07,310
On Railway premises on both sides of the river	7,6[illegible]6 (on 4th Nov 1887)	4 532 (on 5th Dec 1887)	15 026 (on 4th January 88)	13 458 (on 3rd Feb 1888)	22 036 (on 3rd March 1888)	2[illegible] [illegible] (on 4th April 1888)	8,990 (on 4th May 1888)	7 458 (on 4th June 1888)	7 024 (on 4th July 1888)	2 255 (on 4th August 1888)	5,027 (on 4th September 1888)	14,112 (on 4th October 1888)	10,476 (on 3rd Nov 1888)
On boats unloaded ... By Port Commissioners' returns	23 645 (1st to 3rd Nov. 1887)	45 456 (1st to 3rd Dec 1887)	[illegible] (on 3rd to 5th January 88)	93 [illegible]31 (1st to 3rd Feb 1888)	70 [illegible] (1st to 3rd March 1888)	40 540 (1st to 3rd April 1888)	14 021 (1st to 3rd May 1888)	36 67[illegible] (1st to 3rd June 1888)	3[illegible],757 (1st to 3rd July 1888)	[illegible]2 644 (1st to 3rd August 1888)	46 697 (1st to 3rd September 1888)	36 942 (1st to 3rd October 1888.)	55,943 (1st to 3rd November 1888.)
On boats unloaded ... By Canal returns	45 191 (1st to 3rd Nov 1887)	51 327 (1st to 3rd Dec 1887)	1 4[illegible] [illegible]39 (1st to 3rd January 88)	2 [illegible]3 [illegible]33 (1st to 3rd Feb 1888)	1 91 087 (1st to 3rd March 1888)	8[illegible] [illegible]59 (1st to 3rd April 1888)	46 725 (1st to 3rd May 1888)	25 540 (1st to 3rd June 1888)	25 966 (1st to 3rd July 1888)	38,091 (1st to 3rd August 1888)	52,215 (1st to 3rd September 1888)	81 757 (1st to 3rd October 1888.)	70,552 (1st to 3rd Nov. 1888.)
Grand Total of Stocks	18,42,468	17 45 646	19 40 659	23 06,916	25 33 4[illegible]3	2[illegible] 91 492	24 [illegible]9,949	23 93 057	21,72,732	20,33 236	19,64,351	19,0[illegible],586	18,44,280
Probable stock available for exportation by sea	8 lakhs	7½ lakhs	9½ lakhs	1[illegible] lakhs	14½ lakhs	16½ lakhs	14½ lakhs	13½ lakhs	11½ lakhs	10½ lakhs	9 lakhs	8½ lakhs.	8 lakhs.

STATISTICAL DEPARTMENT,
The 5th November 1888.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next p.receding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan .	11 8	12 0	16 0	No sale.			12 12	15 0	15 0	15 12	18 12	21 0	...	...	...
2	Bankoora .	12 8	13 0	15 8	15 0	15 0	20 0	14 8	15 8	17 0	19 0	18 0	20 5⅝	..	...	...
3	Beerbhoom ..	12 0	13 8	16 8	...	...	...	12 0	15 0	16 8	14 8	18 0	22 8	...	...	...
4	Midnapore ...	13 5	13 5	15 0	40 0	40 0	...	12 0	14 0	18 0	19 0	20 0	24 0	...	...	...
5	Hooghly	14 0	14 0	14 0	...	...	...	10 0	10 0	10 0	13 0	15 0	16 0	...	...	...
	Howrah ..	Not	available.		...	...	...	12 0	12 8	13 2	14 8	17 12	18 8	...	...	...
	Central Districts.															
	Calcutta ..	11 8	12 6	14 4	14 2	14 11	20 0	10 0	10 7	8 12	14 1	14 11	20 0	12 5	12 7	15 0
6	24-Pergunnahs	12 0	12 0	13 4	14 0	14 0	26 8	8 0	8 0	8 0	14 0	16 0	16 13	..	...	...
7	Nuddea ...	12 13	13 9	16 6	17 12	17 12	36 0	12 5	14 8	14 10	16 0	17 12	18 8½	...	...	...
8	Khoolna ...	...	...	...	.	...	...	16 0	16 0	18 0	18 0	20 0	21 0	...	...	...
9	Jessore ...	12 0	13 4	11 6	...	...	...	14 0	13 0	16 0	21 0	20 0	23 0	...	..	...
10	Moorshedabad	12 12	13 4	16 12	...	..	...	12 0	14 0	13 4	14 8	16 0	22 0	...	...	...
11	Dinagepore .	12 0	13 10	16 0	17 8	17 8	23 0	14 0	14 6	18 0	16 12	19 3	23 0	...	...	...
12	Rajshahye ...	15 0	15 2	18 0	32 0	45 0	45 0	12 0	15 0	16 8	16 14	19 8	20 4	...	...	...
13	Rungpore ...	15 3	15 3	17 12	...	...	...	13 0	13 0	14 4	17 4	17 13	20 0	...	...	...
14	Bogra ..	15 0	15 0	12 0	...	...	...	12 0	15 0	13 0	18 0	21 0	24 0	..	...	...
15	Pubna ...	16 8	16 8	18 0	...	..	...	7 12	7 8	8 0	16 8	18 12	22 8	...	...	...
16	Darjeeling ...	10 0	10 0	9 0	10 0	10 0	13 0	5 0	5 0	6 0	14 0	14 0	14 0	...	...	...
17	Julpigoree ...	10 0	12 0	12 0	16 0	20 0	16 0	11 0	11 8	13 0	16 0	18 0	20 0	...	...	...
	Eastern Districts.															
18	Dacca .. *	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Furreedpore ...	20 0	21 0	14 0	32 0	32 0	24 0	16 0	16 0	18 0	18 0	18 0	24 0	...	...	...
20	Backergunge ...	...	...	..	...	...	...	11 7	12 12	17 0	13 5	15 0	20 0	...	...	...
21	Mymensingh ...	10 0	10 0	13 4	...	...	...	13 0	12 8	13 0	17 0	18 0	20 0.	...	...	...

* Return not received.

A In sub-divisions retail prices of salt per rupee are :—Cutna 10 seers, Cutwa 10 seers 6 chittacks, and Raneegunge 11 seers 2 chittacks.
A1 At Rampore Hât retail price of salt 10½ seers per rupee.
B In sub-divisions retail prices of salt per rupee are :—Ghattal 11¼ seers, Tumlook 8 seers, and Contai 10 seers.
C In sub-divisions retail prices of salt per rupee are :—Serampore 10½ seers and Johanabad 10½ seers.
C1 In sub-divisions retail prices of salt per rupee are :—Baraset, Bussirhat, Diamond Harbour (Kalpihat) and Dum-Dum 9 seers and Barrackpore 9 seers 2 chittacks.
D In sub-divisions retail prices of salt per rupee are :—Kooshtea, Chooadanga and Ranaghat 10 seers, Meherpore 10½ seers,
E In sub-divisions retail prices of salt per rupee are :—Satkhira 9 seers 2½ chittacks and Bagirhat 8 seers.
F In sub-divisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura and Bongong 10 seers, and Narail 7½ seers.

Head-quarter Station Bazars of the Districts of Bengal on the 31st October 1888.

Indian-corn or Maize (*Zea Mays.*)			Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															BENGAL.
															Western Districts.
S. Ch.	S. Ch.	S Ch.	S. Ch.	S. Ch	S. Ch.	S. Ch.	S Ch.	S. Ch.	Ch. S.	S. Ch.	S Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	No sale		20 0	18 0	27 0	120 0	120 0	120 0	A 10 10½	11 2½	13 12	3 10 3	3 9 3	2 13 6	Burdwan.
24 0	28 0	36 0	19 0	20 0	19 0	320 0	320 0	320 0	10 0	10 0	12 0	3 14 0	3 14 0	3 3 0	Bankoora.
...	...	...	16 0	18 0	15 4	100 0	160 0	160 0	A1 10 0	10 0	12 12	3 13 0	3 13 0	3 0 0	Beerbhoom.
...	...	...	14 0	14 0	13 0	120 0	120 0	120 0	B 10 8	10 8	13 0	3 12 0	3 12 0	3 0 0	Midnapore
...	...	...	13 0	13 0	13 0	120 0	120 0	120 0	C 9 0	9 0	13 0	4 6 0	4 6 0	2 14 0	Hooghly.
...	...	...	12 8	13 0	14 0	100 0	100 0	100 0	10 10	10 10	12 13	3 9 0	3 9 0	2 14 0	Howrah.
															Central Districts.
15 2	17 5	24 0	15 12	16 7	17 4	95 0	98 10	80 0	10 15	10 15	13 4	3 6 3	3 6 3	2 12 0	Calcutta.
...	...	20 0	14 8	17 0	17 8	100 0	100 0	90 0	C1 10 4	10 12	12 4	3 9 0	3 6 6	2 15 6	24-Pergunnahs.
...	...	...	17 12	20 0	17 12	...	...	...	D 9 13	9 13	11 10½	4 4 0	3 14 0	3 0 0	Nuddea.
...	...	...	...	...	...	160 0	160 0	160 0	E 10 0	10 0	10 8	4 0 0	4 0 0	3 12 0	Khoolna.
...	...	...	20 0	20 0	20 0	100 0	100 0	100 0	F 9 2	10 9	10 12	4 0 0	3 14 0	3 2 0	Jessore.
...	...	...	19 0	20 0	20 0	200 0	200 0	190 0	G 10 10	10 8	12 0	3 11 0	3 12 0	3 5 5	Moorshedabad.
...	...	...	9 8	9 8	...	160 0	160 0	160 0	10 0	10 0	12 8	3 14 0	3 14 0	3 2 0	Dinagepore.
...	...	...	13 0	13 0	17 4	240 0	240 0	240 0	H 9 12	9 12	12 0	3 13 4	3 13 4	3 1 4	Rajshahye.
...	...	...	7 9	7 4	8 10	120 0	120 0	120 0	I 10 0	10 0	12 4	4 0 0	4 0 0	3 4 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	9 12	9 12	12 0	4 0 0	3 13 4	3 4 0	Bogra.
...	...	...	20 0	21 0	18 0	200 0	200 0	200 0	J 10 0	10 0	12 0	4 0 0	4 0 0	3 5 0	Pubna.
20 0	20 0	24 0	8 0	8 0	8 0	120 0	120 0	120 0	K 9 0	8 0	9 0	5 0 0	5 0 0	4 4 0	Darjeeling.
...	20 0	25 0	10 8	11 8	11 0	128 0	128 0	128 0	L 9 0	9 8	12 0	4 8 0	4 0 0	3 4 0	Julpigoree.
															Eastern Districts.
...	...	...	...	...	...	...	...	...	...	...	...	......	......	......	Dacca.
...	...	...	...	...	20 0	120 0	120 0	160 0	10 0	10 0	12 0	4 0 0	4 0 0	3 1 0	Furreedpore.
...	...	...	11 7	10 10	12 0	120 0	120 0	120 0	M 10 10	10 0	12 8	3 12 0	3 12 0	3 2 0	Backergunge.
...	...	...	13 4	10 0	20 0	...	..	...	N 10 0	10 0	12 0	4 0 0	4 0 0	3 4 0	Mymensingh.

G In Lalbagh, Kandi, and Jungipore sub-divisions retail price of salt 10 seers per rupee.
H In sub-divisions retail prices of salt per rupee are :—Nattore 9½ seers and Nowgong 9 seers 9 chittacks.
I In sub-divisions retail prices of salt per rupee are :—Gaibanda 7½ seers, Nilphamari 10 seers, and Kurigram 9 seers.
J At Serajgunge retail price of salt 10 seers per rupee.
K At Silliguri retail price of salt 9 seers per rupee.
L At Fallacutta in Alipore sub-division retail price of salt 8 seers per rupee.
M In sub-divisions retail prices of salt per rupee are :—Patuakhali 8 seers, Perozepore 9 seers.
N In sub-divisions retail prices of salt per rupee are :—Kishoregunge, Jamalpore and Netrokona 9 seers, Attea 10 seers, and Sherpore 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded.**															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	10 0	10 8	14 0	...	...	...	13 0	13 0	14 8	18 8	18 5	22 0	...	...	...
23	Noakholly* ...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...
24	Tipperah ...	11 8	11 8	13 5	...	...	...	16 8	16 8	15 8	20 0	20 0	26 3	...	...	...
25	Chittagong Hill Tracts.	...	.	...	...	...	...	13 5	13 5¼	13 13	16 0	14 8½	14 8½	...	...	...
	Hill Tipperah ...	8 0	8 0	12 0	...	...	...	10 0	12 0	12 0	20 0	20 0	20 0	...	...	...
	BEHAR.															
26	Patna ...	15 0	17 0	22 0	18 8	22 0	31 8	10 12	11 5	11 8	14 5	17 3	23 0	...	...	26 0
27	Gya ...	13 0	13 0	16 0	15 4	17 0	29 0	9 8	9 4	10 0	11 8	12 0	17 0	...	...	...
28	Shahabad ...	13 8	15 0	16 0	17 0	18 8	20 0	10 8	9 0	9 0	14 3	14 8	16 0	18 0	...	27 0
29	Durbhunga ...	12 0	13 3	19 0	16 0	18 10	38 0	10 8	12 1½	14 0	12 0	14 4½	17 0	...	...	...
30	Mozufferpore ...	12 0	12 0	22 0	20 0	22 0	35 0	10 0	10 0	13 0	12 0	13 0	22 0	...	...	...
31	Sarun ...	13 4	14 0	17 0	16 8	17 8	29 0	8 8	8 8	9 0	12 0	14 12	21 0	...	...	...
32	Chumparun ...	13 0	12 0	18 0	19 0	19 0	39 0	8 0	8 8	8 0	13 0	16 8	18 0	...	...	...
33	Monghyr ...	13 10	14 7	21 0	16 12	26 4	42 0	10 8	11 8	14 2	12 1	13 11	17 4	...	...	...
34	Bhagulpore ...	13 14	14 13	19 4	16 6	18 15	31 9	10 11	11 6	16 6	12 10	13 14	21 7	..	...	...
35	Purneah ...	13 0	15 0	22 0	10 0	No sale		13 0	13 0	14 0	16 0	16 0	20 0	...	...	...
36	Maldah ..	14 0	15 0	20 0	...	...	..	11 8	13 0	14 0	14 0	19 0	26 0	...	...	...
37	Sonthal Perghs.	11 8	11 8	14 0	...	...	.	12 8	13 8	16 0	14 0	16 0	22 0	...	...	...
	ORISSA.															
38	Cuttack ..	11 13	14 7	15 12	...	...	...	10 8	10 8	10 8	15 12†	14 7	18 6	..	...	...
39	Pooree ...	11 13	11 13	11 13	...	...	...	11 13	13 2	11 13	15 12	19 11	18 6	...	...	...
40	Balasore ...	12 0	13 0	12 8	13 0	13 0	13 0	12 0	12 0	14 0	18 0	20 0	27 0	...	...	...
	CHOTA NAGPORE. *South-West Frontier Agency.*															
41	Hazaribagh ...	11 8	12 0	18 0	13 0	13 0	23 0	7 0	7 0	10 0	12 0	13 0	19 0	Not procurable.		
42	Lohardugga ...	10 8	12 0	22 0	16 0	25 0	21 0	10 8 (old)	18 0	16 0	14 4 (dona)	14 0 (dona)	20 0 (new)	...	...	...
43	Singbhoom ...	11 0	12 0	20 0	20 0	20 0	32 0	16 0	14 0	16 0	20 0	16 0	20 0	...	...	...
44	Manbhoom ...	10 0	11 7	16 0	...	...	...	13 0	13 8	16 0	18 0	20 0	22 0	...	...	...

* Return not received.
† Common rice at Jajpore 15 seers 12 chittacks per rupee, and at Kendrapara 21 seers per rupee.
Ditto ditto at Khoorda 18 seers per rupee.

O At Cox's Bazar retail price of salt 8 seers per rupee.
P In sub-divisions retail prices of salt per rupee are :—Nowada 8 seers, Aurungabad 9⅜ seers.
Q In sub-divisions retail prices of salt per rupee are :—Buxar 10½ seers, Bhabooah 9¼ seers, and Sasseram 10 seers.
R In sub-divisions retail prices of salt per rupee are :—Madhubani 9 seers and Tajpore 10 seers.

CALCUTTA,
The 7th September 1888.

Station Bazars of the Districts of Bengal on the 31*st* *October* 1888—(concluded).

Indian-corn or Maize. (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur. Cadjan Pea (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
															Eastern Districts—concluded.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	10 0	10 0	11 0	110 0	110 0	75 0	O 9 0	9 0	11 0	3 14 0	3 14 0	3 4 0	Chittagong
...	...	...		.		...	...	...	...	...	.	...	...		Noakholly.
...	...	...	8 0	8 0	9 10	...	..	...	8 0	8 0	12 0	4 6 0	4 6 0	3 3 0	Tipperah
...	...	...	...	...		320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 12 0	4 8 0	Chittagong Hill Tracts
...	...	...	12 0	12 0	16 0	...	..	...	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
															BEHAR
18 0	22 0	34 0	20 0	22 0	26 0	180 0	180 0	120 0	10 0	10 0	11 12	3 11 0	3 10 0	3 1 6	Patna
...	...	...	18 0	19 0	20 0	200 0	180 0	130 0	P 9 0	9 0	11 0	4 0 0	4 0 0	3 5 0	Gya.
...	...	...	13 8	13 0	16 0	160 0	160 0	120 0	Q 10 0	10 0	12 8	4 0 0	4 0 0	3 3 0	Shahabad
16 0	17 9	33 0	17 0	19 12	18 0	160 0	176 0	176 0	R 10 0	10 0	12 0	3 13 0	3 14 0	3 0 0	Durbhunga
18 0	20 0	35 0	19 0	21 0	20 0	160 0	160 0	120 0	S 10 0	10 0	12 0	3 12 0	3 12 0	3 4 0	Mozufferpore
17 12	19 4	30 8	19 2	19 12	23 0	160 0	160 0	160 0	10 0	10 4	12 0	3 15 0	3 12 6	3 2 0	Sarun
19 0	22 0	40 0	21 0	23 0	20 0	160 0	160 0	...	T 9 0	10 0	12 0	4 0 0	3 13 0	3 4 0	Chumparun.
16 4	18 15	33 9	17 13	20 0	22 0	126 0	126 0	126 0	U 9 15	10 8	12 9	3 14 0	3 12 0	2 14 6	Monghyr
15 2	16 4	32 3	19 10	20 3	21 7	151 8	164 0	161 0	10 0	10 0	12 10	3 12 0	3 12 0	3 3 0	Bhagulpore
No sale.			16 0	16 0	20 0	120 0	160 0	160 0	V 8 0	9 0	11 0	4 6 0	4 6 0	...	Purneah.
...	...	...	..	.	.	120 0	120 0	120 0	9 8	9 8	12 0	4 0 0	4 0 0	3 4 0	Maldah
18 0	23 8	45 0	18 0	20 0	25 0	200 0	200 0	200 0	9 0	9 8	11 8	4 2 0	3 15 0	3 4 6	Sonthal Perghs.
															ORISSA.
...	...	...	17 1	18 6	17 1	80 0	80 0	80 0	11 0	8 0	14 0	3 12 0	4 7 0	2 12 0	Cuttack
...	...	...	11 13	11 13	13 2	80 0	80 0	70 0	10 8	10 8	13 2	3 8 0	3 8 0	2 12 0	Pooree
...	...	...	12 0	13 0	13 0	110 0	110 0	160 0	W 9 8	9 8	10 8	3 15 0	3 14 0	3 4 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency*
16 0	19 0	25 0	16 0	15 0	21 0	320 0	320 0	320 0	8 0	8 0	10 0	4 4 0	4 4 0	3 9 0	Hazaribagh.
21 0	24 0	40 0	18 0 (small)	19 0	28 0	140 0	140 0	120 0	X 9 0	9 0	10 0	4 6 0	4 6 0	3 12 0	Lohardugga
...	...	...	18 0	18 0	20 0	260 0	260 0	320 0	7 0	7 3	9 0	5 8 0	5 8 0	4 0 0	Singbhoom
...	..	...	18 0	18 0	21 0	280 0	280 0	280 0	Y 9 2	9 2	10 10	4 1 0	4 1 0	3 6 0	Manbhoom

S At Hajipore and Sitamarhi retail price of salt 10 seers per rupee.
T At Bettiah retail price of salt 9 seers per rupee.
U In Beguserai and Jamui sub-divisions retail price of salt 9 seers per rupee.
V In sub-divisions retail prices of salt per rupee are.—Kishongunge 8 seers and Arrareah (at Ranigunge) 9 seers.
W At Bhudruck retail price of salt 9 seers per rupee.
X At Daltongunge retail price of salt 8 44 seers per rupee
Y At Govindpore retail price of salt 10 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT** (wholesale) **of Food-grains, Firewood, and Salt in the

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 3 8	3 1 0	2 10 3	2 8 9	2 7 3	1 11 6	3 11 11	3 9 6	3 12 0	2 9 8	2 4 0	1 11 1
2	Serajgunge ..	2 6 0	2 4 0	1 12 0	...	...	...	3 12 0	3 14 0	3 0 0	2 2 0	2 4 0	1 10 0
3	Dacca* ..	...	...	...	...	...	...	...	...	...	...	...	..
4	Naraingunge*	.	...		...	...	...	...	...	...	..	...	...
5	Chittagong ..	3 8 0	3 4 0	2 12 0	...	...	...	2 14 0	2 15 0	2 12 0	2 2 0	2 3 0	1 10 0
6	Patna ...	2 9 0	2 5 0	1 12 0	2 3 0	1 12 0	1 3 0	3 9 0	3 7 0	3 0 0	2 11 0	2 5 0	1 10 0
7	Balasore ...	3 10 0	3 0 0	3 4 0	3 0 0	3 0 0	3 0 0	3 4 0	3 4 0	2 12 0	1 15 6	1 13 0	1 6 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	2 7 6	1 15 0	2 0 6
9	Cuttack ...	3 4 0	2 10 0	2 5 0	...	...	...	3 10 0	3 10 0	3 10 0	2 5 0	2 10 0	2 2 0

* Return not received.

CALCUTTA,
The 6th November 1888.

undermentioned Marts of Bengal on the 31st October 1888.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (*Cicer Arietinum.*)			INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 11 6	2 3 9	1 11 3	2 6 4	2 0 0	1 9 0	2 3 5	2 2 0	2 2 0	0 6 3	0 6 2	0 6 9	3 6 3	3 6 3	2 12 0	Calcutta.
2 12 0	3 4 0	2 0 0	...	...	...	...	...	...	...	...	...	3 13 0	3 15 6	3 0 0	Serajgunge
	...	.	...	.	...	...	...	...	...	...	...		..	...	Dacca.
...	...	...		...	...	...	...	...	...	...	. .		...	...	Naraingunge
3 4 0	4 0 0	2 7 0	.	...	.	3 12 0	3 8 0	3 8 0	0 5 0	0 5 0	0 8 0	3 14 0	3 14 0	3 4 0	Chittagong.
2 6 6	1 14 6	1 4 0	2 2 6	1 12 0	1 2 6	1 14 6	1 12 0	1 7 0	0 3 9	0 3 9	0 5 0	3 11 0	3 10 0	3 1 6	Patna.
3 6 0	3 0 0	2 6 0	...	..	...	3 6 0	3 0 0	3 0 0	0 5 0	0 5 0	0 4 6	3 15 0	3 14 0	3 4 0	Balasore.
...	...	...	..	...	...	...	...	...	...	...	...	3 9 0	3 8 0	2 12 0	Pooroo.
2 2 0	(Kalai). 2 2 0	2 2 0	...	...	...	2 2 0	2 2 0	2 2 0	0 8 0	0 8 0	0 8 0	3 12 0	4 7 0	2 12 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air Pressure. Mean barometric height, 10 A.M.	Air Pressure. Mean reduced to sea-level.	Air Pressure. Variation from mean.	Wind. Prevailing direction.	Wind. Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·966	29·978	—	NNE	216·0	88·7	30th Oct.	71·6	29th Oct. & 2nd Nov.	80·2	72·7	79·5	—	77·4
		Gopalpore ...	29·945	29·995	+·027	NE & NW	250·0	87·7	27th "	73·8	2nd "	84·9	75·6	80·3	+1·8	82·0
		False Point ...	29·975	29·997	+·036	NNE	178·0	87·9	27th "	68·5	28th Oct.	90·8	72·7	79·8	+1·5	83·8
	Cuttack	Cuttack ...	29·915	29·907	+·037	NE	39·0	92·9	27th "	72·3	29th "	89·9	73·8	81·9	+2·8	83·9
	Balasore .. .	Balasore ...	29·962	30·022	+·051	Calm & NE	76·7	89·4	27th & 30th Oct.	67·8	2nd Nov.	88·5	70·3	79·4	+3·6	83·1
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·983	30·009	+·044	NE & NNW	178·0	89·3	1st Nov.	71·0	27th Oct.	87·0	73·1	80·4	+2·0	79·7
	Midnapore	Midnapore ..	29·875	30·027	+·048	NE	49·4	90·3	27th, 31st Oct. & 1st Nov.	68·2	2nd Nov.	89·4	70·6	80·0	+4·1	84·1
	24-Pergunnahs ... ..., Howrah ... ..., Hooghly	Calcutta ...	29·994	30·016	+·037	NW & NE	84	87·0	28th Oct.	67·7	2nd "	86·5	71·6	79·1	+1·8	81·8
	Burdwan	Burdwan ..	29·917	30·018	+·044	NW	21·1	90·1	30th "	68·4	2nd "	80·3	71·8	80·6	+2·6	83·3
	Bankoora	Bankoora ..	29·704	—	—	N	34	90·1	27th, 28th Oct.	66·7	2nd "	89·2	71·1	80·2	—	84·1
	Beerbhoom ... .., West Burdwan	Raneegunge ...	29·687	29·998	+·047	NW	41·4	90·5	27th, 28th, 29th & 31st Oct.	66·0	2nd "	89·6	72·1	80·9	+4·8	83·2
	Moorshedabad	Berhampore ...	29·956	30·024	+·053	Northerly	35·9	89·1	30th "	67·4	2nd "	87·2	71·5	79·4	+1·9	82·1
	Nuddea	Krishnaghur...	29·977	30·044	+·066	WNW	47·7	89·4	1st Nov.	65·8	2nd "	88·6	69·6	79·1	+2·6	85·6
	Jessore ... ..., Khoolna	Jessore ...	29·987	30·021	+·001	N	38·8	90·2	1st "	68·5	2nd "	89·1	71·6	80·3	+1·7	82·9
East Bengal.	Chittagong	Chittagong	29·916	30·006	+·055	Calm & NE	21·0	88·6	31st Oct.	69·5	27th Oct.	87·2	71·3	79·3	+0·8	81·8
	Chittagong Hill Tracts	Demagiri ...						Observations not received.								
	Backergunge	Barrisal ...	29·991	30·003	+·065	Northerly	72·5	87·3	29th, 30th Oct.	69·5	2nd Nov.	86·5	71·8	79·2	+2·5	83·2
	Noakholly	Noakholly ...	29·977	30·021	—	Calm	22·8	87·0	31st "	67·8	27th Oct.	85·9	69·9	77·9	—	81·6
	Furreedpore	Furreedpore..	29·980	30·029	+·080	N	34·0	86·5	27th to 29th Oct.	68·9	2nd Nov.	85·9	71·1	78·5	+1·9	82·6
	Dacca	Dacca ..	29·979	30·002	+·064	North-Easterly	48·0	88·6	30th "	69·1	1st "	88·0	72·2	80·1	+1·1	84·1
	Commillah	Commillah ..	29·968	30·004	+·060	N	15·2	88·4	2nd Nov.	68·8	27th, 29th Oct. & 1st & 2nd Nov.	87·5	69·7	78·6	+0·1	83·0
	Mymensingh	Mymensingh .	29·958	30·017	+·073	Calm & Easterly	34·6	88·3	30th Oct.	65·6	2nd "	86·6	69·3	78·0	+0·8	81·1
North Bengal.	Bogra	Bogra ..	29·929	29·992	—	N	10·2	88·3	27th, 29th & 30th Oct.	63·4	2nd "	87·0	69·3	78·2	—	83·0
	Pubna	Serajgunge ..	29·964	30·011	+·049	North Easterly	20·5	88·4	29th "	63·8	2nd "	87·1*	68·2*	77·7*	+1·9*	82·7
	Rajshahye	Rampore Beauleah.	29·954	30·025	+·077	NNE	63·6	85·8	30th "	65·2	2nd "	86·6	70·2	78·4	+3·7	82·4
	Maldah	Maldah ...	29·935	—	—	NW	50·0	89·4	29th "	62·3	2nd "	88·2	68·8	78·5	—	81·6
	Dinagepore	Dinagepore ..	29·882	30·005	+·034	NE, NW	28·6	86·6	27th, 28th, 31st Oct. & 1st Nov.	59·2	27th Oct.	86·1	62·9	74·5	−0·5	81·8
	Rungpore	Rungpore	29·898	30·026	+·016	NE	34·0	87·8	27th & 29th Oct.	64·2	1st Nov.	86·4	68·6	77·5	+3·1	79·1
	Julpigoree ... ..., Cooch Behar	Julpigoree ..	29·732	30·024	+·013	E	12·6	86·9	27th & 28th Oct.	62·9	1st "	84·8	66·1	75·5	+1·8	79·4
	Darjeeling Hill Tracts ..	Darjeeling ..	23·099	—	+·023	WSW	105·0	61·6	27th & 28th Oct.	45·2	31st Oct. & 2nd Nov.	60·0	46·4	53·2	+1·5	55·0
North Behar.	Purneah ... .., North Bhagulpore ...	Purneah ..	29·404	30·003	+·131	Variable	33·3	87·7	27th Oct. & 1st Nov.	57·7	1st & 2nd Nov.	86·3	64·6	75·5	−0·2	79·4
	Mozufferpore	Mozufferpore						Observations suspended.								
	Durbhunga	Durbhunga ..	29·864	30·015	+·062	SE	45·0	85·4	31st Oct.	63·9	2nd "	84·4	70·4	77·4	+1·5	78·6
	Chumparun	Motihari	29·784	30·015	+·016	Calm	73·8	89·7	27th "	55·4	31st Oct. & 1st Nov.	88·6	61·3	75·0	+2·4	81·6
	Sarun	Chupra .	29·797	29·995	+·021	NW	30·0	87·5	28th, 30th "	59·9	2nd "	84·2	68·5	76·4	+1·5	83·8
South Behar.	Shahabad	Dehree	29·678	30·039	+·041	SSW	92·1	90·3	29th & 31st Oct. & 1st Nov.	62·5	1st "	88·1	69·1	78·6	+4·5	81·6
		Buxar .	29·787	30·034	+·036	Westerly	70·3	90·4	31st Oct.	61·9	31st Oct. & 2nd Nov.	88·4	67·2	77·8	+2·3	83·0
		Arrah ..	29·826	30·027	+·036	Westerly	13·1	89·9	31st "	58·8	1st & 2nd Nov.	88·0	65·7	76·9	+2·2	80·9
	Gya	Gya ..	29·640	30·025	+·032	Calm	25·8	90·4	29th "	64·2	2nd "	87·3	68·5	77·9	+1·9	80·6
	Patna	Bankipore ..	29·845	30·033	+·044	Variable	30·4	90·9	31st "	62·8	2nd "	89·0	69·3	79·2	+3·5	81·7
	South Bhagulpore ..., Monghyr	Bhagulpore ...	29·868	30·034	+·058	W	20·0	87·2	27th, 28th, 29th & 31th Oct.	61·0	2nd "	85·6	68·6	77·1	+2·5	80·7
	Sonthal Pergunnahs ...	Doomka ..	29·517	—	—	NNW	83·9	88·8	20th "	63·9	2nd "	86·6	68·9	77·8	—	81·1
Chota Nagpore.	Hazaribagh	Hazaribagh .	28·005	30·037	+·054	NE	72·0	5·9	27th "	63·3	1st "	81·7	60·4	71·1	+2·8	76·0
	Lohardugga ... ..., Manbhoom	Ranchee ...	27·876	30·021	+·050	E	79·3	86·0	28th "	61·4	2nd "	82·6	64·5	73·5	+3·5	76·1
	Singbhoom	Chyebassa ...	29·234	—	—	Calm	16·4	91·7	20th "	67·0	30th Oct.	89·2	69·5	79·4	—	82·8
Assam.	Sibsagar	Sibsagar ...	29·713	30·055	+·031	NE	34·0	84·6	27th "	63·8	1st Nov.	83·5	65·3	73·9	−0·1	75·0
	Dhubri	Dhubri ...	29·911	30·031	+·028	ENE, ESE	124·3	86·2	27th & 29th Oct.	67·9	1st & 2nd Nov.	85·0	69·7	77·4	+1·2	77·3
	Silchar	Silchar ...	?	?	?	Calm	24·0	91·5	27th "	67·8	20th Oct.	90·4	69·2	79·8	+1·8	83·1

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period or the last ten years. The *humidity* of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past all stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Mean of 6 days.

for the week ending Friday, the 2nd of November 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of October. Mean for district.	Since 1st of October. Normal mean.	Since 1st of October. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.
86	6·7	2·62	1 21	1·39	3·13	8 63	−5 50	41 26	53·06	−11 80	2 3	1·7	Pooree
77	6·0	2·21											Gopalpore
71	5·7	1·34											False Point
64	5·7	Nil	0 44	0·89	1 57	5 83	−4 26	50 00	50 36	−0 36	1 0	1 6	Cuttack
78	2·7	Nil	0 27	0 81	1 39	5·49	−4 10	52·44	51 75	+0 69	0 5	1·3	Balasore
74	6·7	0 03	0·01	0·93	2·16	7·95	−5 79	54 89	61·18	−6·29	0 3	1·4	Saugor Island
63	2·6	Nil	Nil	0·37	1·37	4 35	−2 98	62 30	50 60	+11 70	0 0	0 8	Midnapore
66	5·4	Nil	Nil	0·44	2 02	4 27	−2·25	61·81	50 54	+11·27	0 0	1·0	Calcutta
60	3·1	Nil	Nil	0 39	0 58	4 11	−3 53	53·28	45 94	+7 32	0 0	0 8	Burdwan
54	3·7	Nil	Nil	0 27	0 57	3·92	−3 35	51 42	51·40	−0 02	0 0	0 7	Bankoora
57	4 1	Nil	Nil	0·24	0·66	3 49	−2·83	55 44	50 90	+4 54	0 0	0 6	Raneegunge
69	6·6	Nil	Nil	0 19	1·66	4 26	−2 60	46 14	49 73	−3 59	0 0	0 5	Berhampore
58	5·7	Nil	Nil	0 32	1·88	4 28	−2 40	53 15	48 38	+4·77	0 0	0 6	Krishnaghur
64	4 8	Nil	Nil	0 50	1·52	4 57	−3 05	43 51	52 24	−8 73	0·0	1·0	Jessore
79	4 3	Nil	Nil	1 46	7 11	7 50	−0·39	125 77	111 25	+14 52	0 0	1·4	Chittagong
			Nil	1 06	6 07	7 70	−1 63	72 06	78 54	−6 48	0 0	1 6	Demagiri
71	4·1	Nil	Nil	1 21	8·10	6 32	+1·78	72 15	75 30	−3 15	0 0	1 4	Barrisal
73	4·4	Nil	Nil	1 39	12·57	7 50	+5 07	107 50	104 29	+3·21	0 0	1·4	Noakholly
64	2·1	Nil	Nil	0 43	0·84	4 59	−3 75	46 91	55·19	−8 28	0 0	1·2	Furreedpore
66	3·7	Nil	Nil	0 67	1·61	4 71	−3 10	55 66	58 68	−3 02	0 0	1 0	Dacca
68	2 6	Nil	Nil	0 62	3·54	5 52	−1 98	61 43	67 91	−6 48	0·0	1 1	Commillah
78	5 8	Nil	Nil	0·35	3 05	5 38	−2 33	63 39	66 49	−0 10	0 0	0 8	Mymensingh
65	2·3	Nil	Nil	0 13	0 52	4·44	−3 92	42 80	56 40	−13 60	0 0	0·4	Bogra
71	4·7	Nil	Nil	0 28	0·97	4 69	−3 72	40 95	52 62	−11 67	0·0	0·6	Serajgunge
65	3·6	Nil	Nil	0·25	1·25	4·49	−3 24	44 12	53 15	−9 03	0 0	0 5	Rampore Beauleah
64	3 7	Nil	Nil	0 46	1 49	3 69	−2 20	39 64	53 45	−13 81	0·0	0 5	Maldah
70	2·3	Nil	Nil	0 14	0 60	3 77	−3 17	45·21	56 79	−11 58	0 0	0 3	Dinagepore
76	1·6	Nil	Nil	0 35	0 32	4 88	−4 56	55·05	73·44	−18 39	0 0	0·4	Rungpore
72	0·9	0·20	0·03	0 41	1 12	5 51	−4 09	85 77	110 96	−25 19	0 2	0 6	Julpigoree
78	5 6	Nil	0·08	0 72	2 07	6 38	−4·31	97 64	119 99	−22 35	0·3	1·0	Darjeeling
71	3 0	Nil	Nil	0 44	0 04	3·61	−3 57	47 46	57 99	−10 53	0 0	0 8	Purneah
			Nil	0 29	Nil	3·42	−3 42	39·10	42 70	−3 60	0 0	0 5	Mozufferpore
68	2·7	Nil	Nil	0·18	Nil	2 93	−2 93	38 48	44 34	−5 86	0 0	0 4	Durbhunga
56	3·6	Nil	Nil	0 20	Nil	3 56	3 56	40·77	45 91	−5 14	0 0	0 3	Motihari
62	2·8	Nil	Nil	0 09	Nil	4 36	−4 36	37 20	41 96	−4 76	0 0	0 3	Chupra
52	3·1	Nil											Dehree
47	3·0	Nil	0·05	0·20	0·48	3 39	−2 91	41·90	38 80	+3·10	0·2	0 4	Buxar
56	2·7	Nil											Arrah
58	6 3	0 40	0·28	0 15	0·29	2·83	−2·54	48 80	40·46	+8 34	0 5	0 3	Gya
54	5·7	Nil	Nil	0·24	0·07	3 27	−3 20	46 10	40 41	+5 69	0 0	0 4	Bankipore
67	1·9	0·06	0·18	0 34	0·73	3 22	−2 49	48 15	42 72	+5·43	0 8	0 5	Bhagulpore
61	1·0	1·24	0·45	0·25	0·92	3·77	−2 85	51·90	50 13	+1·77	1 0	0 4	Doomka
59	7·7	0 76	0·68	0 22	2 03	3 21	−1·18	55 98	49 47	+6 51	1 4	0 5	Hazaribagh
63	6·9	0·42	0·23	0 31	0·23	2 93	−2·70	49·94	47 72	+2·22	1·0	0 9	Ranchi
56	4·8	Nil	0·20	0·15	0·59	3·38	−2·79	46·11	46 09	+0·02	0 5	0 6	
			Nil	0·43	0·05	2·97	−2·92	39·84	50·40	−10 56	0 0	1 0	Chyebassa
83	7·0	Nil											Sibsagar
79	5 6	Nil											Dhubri
78	5 9	Nil											Silchar

District.	Meteorological Division.
Pooree	Orissa.
Cuttack	Orissa.
Balasore	Orissa.
South-West Midnapore	South-West Bengal.
South 24-Pergunnahs	South-West Bengal.
Midnapore	South-West Bengal.
24-Pergunnahs	South-West Bengal.
Howrah	South-West Bengal.
Hooghly	South-West Bengal.
Burdwan	South-West Bengal.
Bankoora	South-West Bengal.
Beerbhoom	South-West Bengal.
West Burdwan	South-West Bengal.
Moorshedabad	South-West Bengal.
Nuddea	South-West Bengal.
Jessore	South-West Bengal.
Khoolna	South-West Bengal.
Chittagong	East Bengal.
Chittagong Hill Tracts	East Bengal.
Backergunge	East Bengal.
Noakholly	East Bengal.
Furreedpore	East Bengal.
Dacca	East Bengal.
Commillah	East Bengal.
Mymensingh	East Bengal.
Bogra	North Bengal.
Pubna	North Bengal.
Rajshahye	North Bengal.
Maldah	North Bengal.
Dinagepore	North Bengal.
Rungpore	North Bengal.
Julpigoree	North Bengal.
Cooch Behar	North Bengal.
Darjeeling Hill Tracts	
Purneah	North Behar.
North Bhagulpore	North Behar.
Mozufferpore	North Behar.
Durbhunga	North Behar.
Chumparun	North Behar.
Sarun	North Behar.
Shahabad	South Behar.
Gya	South Behar.
Patna	South Behar.
South Bhagulpore	South Behar.
Monghyr	South Behar.
Southal Pergunnahs	South Behar.
Hazaribagh	Chota Nagpore.
Lohardugga	Chota Nagpore.
Manbhoom	Chota Nagpore.
Singbhoom	Chota Nagpore.
...	Assam.
...	Assam.
...	Assam.

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the istrict are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 2nd of November 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 27th October.	Sunday, 28th October.	Monday, 29th October.	Tuesday, 30th October.	Wednesday, 31st October.	Thursday, 1st November.	Friday, 2nd November.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of October.	Average total rainfall from 1st of October.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	...	...	...	...	0·72	0·21	1·50	3	2·43	4·18	9·69	35·13	46·88
		Khurdah ...	...	...	...	...	0·03	...	0·63	2	0·66	1·23	7·13	39·30	54·35
		Banpur ...	...	...	...	...	0·16	0·20					6·70		47·59
		False Point ...	...	...	...	...	...	0·23	1·17	2	1·40	4·54	11·28	52·48	61·57
		Gop ...	...	...	...	0·20							?		?
		Pipli ..											?		•
	Cuttack ...	Jagatsingpore											7·03		45·38
		Banki ...	...	...	...	0·69	0·05						4·43		48·59
		Cuttack ...	...	...	...	...	...	...	0·44	1	1·44	1·85	5·91	50·30	54·83
		Kendrapara ...	...	...	...	...	...	...	0·57	1	0·57	1·12	6·56	43·65	51·87
		Jajpore ...	...	...	...	...	...	...	...	Nil	Nil	2·05	5·23	58·66	52·98
		Dharmsala ...	...	...	...	...	...	...	...	Nil	Nil	1·30	?	55·61	?
		Salipore ...	...	...	...	...	...	...	...	Nil	Nil		?		?
	Balasore ...	Chandbali ...	...	...	...	...	...	...	1·30	1	1·30	1·60	6·69	49·27	49·94
		Bhuddruck ...	...	...	...	...	...	...	...	Nil	Nil	1·21	4·73	46·44	50·06
		Sorah ...	...	...	...	...	...	0·20	...	1	0·20	1·78	5·56	46·71	50·04
		Balasore ..	...	...	...	...	...	...	...	Nil	Nil	2·08	6·78	56·55	56·39
		Jellasore ..	...	...	...	...	...	...	...	Nil	Nil		4·66		51·77
		Baripodah ...	...	...	...	...	...	0·14	...	1	0·14	0·81	4·40	52·79	52·96
SOUTH-WEST BENGAL.	Midnapore ...	Contai	...	...	...	...	...	...	...	Nil	Nil	0·93	8·66	52·27	60·21
		Saugor Island	...	0·03	...	...	...	...	...	1	0·03	2·04	9·08	51·19	65·99
		Tumlook ...	...	...	...	...	...	...	...	Nil	Nil	1·40	4·55	64·80	50·27
		Midnapore ...	...	...	...	...	...	...	...	Nil	Nil	2·45	4·83	62·85	47·75
		Ghattal ...	...	...	...	...	...	...	...	Nil	Nil	0·27	3·64	55·97	53·68
		Kukrahaty ...	...	...	...	...	...	...	...	Nil	Nil	2·96	?	64·89	?
		Heria ...	...	...	...	...	...	...	...	Nil	Nil	1·23	?	51·62	?
		Bhagwanpore	...	...	...	...	...	...	...	Nil	Nil	2·71	?	48·69	?
		Garbeta ...	...	...	...	...	...	...	...	Nil	Nil	0·22	?	64·16	?
	24-Pergunnahs	Diamond Harbour ...	...	...	...	...	...	...	...	Nil	Nil	3·51	5·22	56·49	57·38
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	0·15	•	55·17	?
		Alipore Jail ..	...	...	...	...	...	...	...	Nil	Nil	2·42	4·57	59·65	54·31
		Barrackpore...	...	...	...	...	...	...	...	Nil	Nil	1·70	3·64	58·68	47·09
		Dum-Dum ...	...	...	...	...	...	...	...	Nil	Nil	2·87	4·43	62·30	50·67
		Baraset ..	...	...	...	...	...	...	...	Nil	Nil	1·76	4·60	62·92	48·11
		Buseerhat ...	...	...	...	...	...	...	...	Nil	Nil	1·04	4·42	50·70	53·44
	Howrah ...	Howrah ..	...	...	...	...	...	...	...	Nil	Nil	2·37	4·38	62·58	50·94
		Mohesreka (*Ooloberiah.*) ...	...	...	...	...	...	...	...	Nil	Nil	1·82	3·02	58·23	50·90
	Hooghly ..	Serampore ...	...	...	...	...	...	...	...	Nil	Nil	2·52	4·28	63·04	49·98
		Hooghly ...	...	...	...	...	...	...	...	Nil	Nil	3·51	4·14	64·81	47·21
		Johanabad ...	...	...	...	...	...	...	...	Nil	Nil	0·06	4·65	60·52	54·38
	Burdwan ...	Culna ...	...	...	...	...	...	...	...	Nil	Nil	0·53	4·21	56·48	43·48
		Burdwan ...	...	...	...	...	...	...	...	Nil	Nil	0·71	4·01	43·41	47·05
		Cutwa ...	...	...	...	...	...	...	...	Nil	Nil	0·48	4·09	58·77	46·96
		Raneegunge ..	...	...	...	...	...	...	...	Nil	Nil	0·11	3·45	56·40	47·99
		Mankur ...	...	...	...	...	...	...	...	Nil	Nil	0·39	?	42·08	?
	Bankoora ...	Bankoora ...	...	...	...	...	...	...	...	Nil	Nil	1·72	4·21	47·18	50·82
		Bishenpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·70	53·28	50·84
		Maliara ...	...	...	...	...	...	...	...	Nil	Nil	0·52	4·05	49·38	51·18
		Khatra ...	...	...	...	...	...	...	...	Nil	Nil	Nil	4·75	53·70	52·89
		Indas ...	...	...	...	...	...	...	...	Nil	Nil	0·17	?	40·80	•
		Kotalpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46·84	•
		Anda ...	...	...	...	...	...	...	...	Nil	Nil	0·20	?	37·81	•
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	1·17	?	55·21	?
		Raipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	54·57	?
		Sonamukhi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	•	44·35	•
	Beerbhoom .	Bh. Soory ...	...	...	...	...	...	...	...	Nil	Nil	1·10	3·71	51·96	53·02
		Hetampore ...	...	...	...	...	...	...	...	Nil	Nil	0·61	2·87	45·79	53·55
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	0·80	5·92	50·70	50·50
		Bolpore ...	...	...	...	...	...	...	...	Nil	Nil	3·56	?	60·23	?
		Murarai ...	...	...	...	...	...	...	...	Nil	Nil	1·06	?	?	?
	Nuddea ...	Ranaghat ...	...	...	...	...	...	...	...	Nil	Nil	1·26	3·84	58·06	48·90
		Kishnaghur ...	...	...	...	...	...	...	...	Nil	Nil	5·51	4·32	67·34	45·12
		Chooadanga ..	...	...	...	...	...	...	...	Nil	Nil	1·72	4·47	51·08	50·15
		Meherpore ...	...	...	...	...	...	...	...	Nil	Nil	0·40	3·74	46·71	46·88
		Kooshtea ...	...	...	...	...	...	...	...	Nil	Nil	0·32	5·05	36·00	53·60
	Khoolna ..	Satkhira ...	...	...	...	...	...	...	...	Nil	Nil	0·54	4·82	37·52	53·96
		Bagirhat ...	...	...	...	...	...	...	...	Nil	Nil	1·39	3·60	40·97	60·26
		Khoolna ..	...	...	...	...	...	...	...	Nil	Nil	2·10	4·24	48·34	58·68
	Jessore .	Narail ...	...	...	...	...	...	...	...	Nil	Nil	0·90	3·82	37·65	44·96
		Jessore ...	...	...	...	...	...	...	...	Nil	Nil	1·08	4·49	54·14	53·28
		Jhenidah ...	...	...	...	...	...	...	...	Nil	Nil	0·37	4·93	34·92	52·53
		Magoorah ...	...	...	...	...	...	...	...	Nil	Nil	2·72	3·86	41·37	47·70
		Bongong ...	...	...	...	...	...	...	...	Nil	Nil	3·05	4·80	47·80	50·87
	Moorshedabad	Kandi ...	...	...	...	...	...	...	...	Nil	Nil	0·67	3·93	49·14	49·10
		Berhampore ...	...	...	...	...	...	...	...	Nil	Nil	0·63	4·53	39·02	50·39
		Lalbagh ...	...	...	...	...	...	...	...	Nil	Nil	3·32	4·66	43·19	50·27
		Azimgunge ...	...	...	...	...	...	...	...	Nil	Nil	2·62	4·76	?	50·32
		Jungipore ...	...	...	...	...	...	...	...	Nil	Nil	3·24	3·28	41·85	48·41
		Lalgola ...	...	...	...	...	...	...	...	Nil	Nil	0·50	4·39	50·20	50·31
		Jiagunge ...	...	...	...	...	...	...	...	Nil	Nil	2·00	?	45·80	?
		Akhriganj ...	...	...	...	...	...	...	...	Nil	Nil	0·59	?	45·93	?
		Patkabari ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	43·24	•
EAST BENGAL	Chittagong ...	Cox's Bazar ..	...	...	...	...	...	...	...	Nil	Nil	10·01	8·81	140·41	131·64
		Chittagong ...	...	...	...	...	...	...	...	Nil	Nil	4·24	6·18	105·08	91·54
		Kutubdia ...	...	...	...	...	...	...	...	Nil	Nil	12·65	?	116·99	?
		Satkanya ...	...	...	...	...	...	...	...	Nil	Nil	•	?		?
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	...	...	...	...	Nil	Nil	5·02	7·48	74·76	81·06
		Rama ...	...	...	...	...	...	...	...	Nil	Nil	7·43	7·90	69·65	75·04
	Backergunge	Patuakhally ..	...	...	...	...	...	...	...	Nil	Nil	8·01	6·95	85·60	58·62
		Perozepore ...	...	...	...	...	...	...	...	Nil	Nil	0·89	6·44	61·21	68·56
		Burrisal ...	...	...	...	...	...	...	...	Nil	Nil	5·97	5·84	65·15	66·06
		Bhola ...	...	...	...	...	...	...	...	Nil	Nil	14·50	6·22	74·49	79·78

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 2nd of November 1888—contd.

Meteorological Division.	District.	Station.	RAINFALL. Saturday, 27th October.	Sunday, 28th October.	Monday, 29th October.	Tuesday, 30th October.	Wednesday, 31st October.	Thursday, 1st November.	Friday, 2nd November.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of October.	Average total rainfall from 1st of October.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL—concld.		*Gournuddi* ..	...	...	...	...	...	...	...	Nil	Nil	2·53	?	48·28	
		Bauphal ..	...	...	...	...	...	...	...	Nil	Nil	15·35	?	98·35	
	Noakholly	Noakholly .	...	...	...	...	...	...	...	Nil	Nil	16·89	8·00	106·90	105·87
		Fenny .	...	...	...	...	...	...	...	Nil	Nil	8·24	6·06	104 43	102·65
		Harishpore ...	...	...	...	...	...	...	...			7·08	?	129·53	?
		Ramganj ..	...	...	...	...	...	...	...	Nil	Nil	13 86	?	87·91	?
	Furreedpore	Madaripore	...	...	...	...	...	...	...	Nil	Nil	1·08	4·43	44·06	54·95
		Furreedpore	...	...	...	...	...	...	...	Nil	Nil	0·81	4·39	51·51	55·47
		Goalundo	...	...	...	...	...	...	...	Nil	Nil	0·63	4·04	43·68	52·16
	Dacca ...	Munshigunge	...	...	...	...	...	...	...	Nil	Nil	1·47	5·06	59·97	69·90
		Dacca .	...	...	...	...	...	...	...	Nil	Nil	1·56	4·20	51·88	57·01
		Narainganj	...	...	...	...	...	...	...	Nil	Nil	2·28	4·64	61·89	58·73
		Manickgunge	...	...	...	...	...	...	...	Nil	Nil	1·03	4·05	45·38	49·10
		Joydebpore .	...	...	...	...	...	...	...	Nil	Nil	1·15	?	58·39	?
	Hill Tipperah	Agartola ..	...	...	...	...	...	...	...	Nil	Nil	Nil	5·61	53·03	60·08
	Tipperah ...	Comilla ..	...	...	...	...	...	...	...	Nil	Nil	6·74	4·66	68·56	74·30
		Chandpore .	...	...	...	...	...	...	...	Nil	Nil	3·78	6·79	58 55	76·07
		Brahmunberia	...	...	...	...	...	...	...	Nil	Nil	3·61	5·02	68 46	59·84
		Ramchandrapore.	...	...	...	...	...	...	...	Nil	Nil	3·58	?	59·45	?
		Nasirnagar ...	...	...	...	...	...	...	...	Nil	Nil	5·80	?	58·14	?
		Daudkandi	...	...	...	...	...	...	...	Nil	Nil	1·80	?	64·10	?
		Kasba	...	...	...	...	...	...	...	Nil	Nil	2·25	?	55·88	?
		Laksham ..	...	...	...	...	...	...	...	Nil	Nil	12·01	•	77·67	?
	Mymensingh..	Kishoregunge	...	...	...	...	...	...	...	Nil	Nil	3·19	5 43	82·18	68·87
		Atia (*Tangail*)	...	...	...	...	...	...	...	Nil	Nil	4 70	5 04	37 84	54·74
		Mymensingh	...	...	...	...	...	...	...	Nil	Nil	4·?6	5·80	69·00	73·13
		Jamalpore ..	...	...	...	...	...	...	...	Nil	Nil	1 73	5·05	63·23	64·29
		Netrokona ..	...	...	...	...	...	...	...	Nil	Nil	2 54	5·61	77·80	71·35
		Subornakhali.	...	...	...	...	...	...	...	Nil	Nil	2·17	?	59·22	?
		Durgapore ...	...	...	...	...	...	...	...	Nil	Nil	7·70	?	107·61	?
		Dewanganj	...	...	...	...	...	...	...	Nil	Nil	3·45	?	53·65	?
NORTH BENGAL.	Pubna	Pubna ..	...	...	...	...	...	...	...	Nil	Nil	0·37	4·84	39·08	53·22
		Seraigunge ..	...	...	...	...	...	...	...	Nil	Nil	1·57	4·52	41·56	51·93
	Bogra	Sherpore	...	...	...	...	...	...	...	Nil	Nil	1·20	4·27	39 90	56·75
		Nowkhilla ..	...	...	...	...	...	...	...	Nil	Nil	0 51	5·18	48·35	53·76
		Bogra .	...	...	...	...	...	...	...	Nil	Nil	0·27	3·99	40·37	59·77
		Panchbibi	...	...	...	...	...	...	...	Nil	Nil	0·03	4·31	43·61	55·26
	Rajshahye	Beauleah	...	...	...	...	...	...	...	Nil	Nil	2·10	4·47	30·85	52·26
		Nattore	...	...	...	...	...	...	...	Nil	Nil	0·10	4·43	58·63	58 97
		Naogaon	...	...	...	...	...	...	...	Nil	Nil	0·15	?	35·76	?
		Lalpore ..	...	...	...	...	...	...	...	Nil	Nil	0·38	?	33·75	?
		Manda	...	...	...	...	...	...	...	Nil	Nil	1·53	?	29·59	?
	Maldah	Maldah	...	...	...	...	...	...	...	Nil	Nil	1·80	4 39	47·36	50·95
		Chanchal ..	...	...	...	...	...	...	...	Nil	Nil	1·13	2·99	31·91	55·91
		Gajol ...	...	...	...	...	...	...	...	Nil	Nil	0 24	?	34·09	?
		Sibganj ..	...	...	...	0·02	...	...	...	1	0·02	0·57	?	45·12	?
	Dinagepore ..	Mohadebpore	...	...	...	...	...	...	...	Nil	Nil	0·85	3·24	37·29	57·76
		Churamon	...	...	...	...	...	...	...	Nil	Nil	0·79	3·37	44·65	52·66
		Raigunge	...	...	...	...	...	...	...	Nil	Nil	0·88	3·74	48·91	53·47
		Dinagepore	...	...	...	...	...	...	...	Nil	Nil	Nil	5·16	56·41	63·38
		Baloorghat	...	...	...	...	...	...	...	Nil	Nil	0·46	3·84	38 11	52 67
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
	Rungpore ..	Bhawanigunge (*Gyabanda*)	...	...	...	...	...	...	...	Nil	Nil	Nil	5·14	41·00	60·96
		Rungpore ..	...	...	...	...	...	...	...	Nil	Nil	0·10	5·32	50·65	73·97
		Kurigram	...	...	...	...	...	...	...	Nil	Nil	1·15	4·38	72·43	72 70
		Bagdogra (*Nilphamari*)	...	...	...	...	...	...	...	Nil	Nil	Nil	4·07	52·16	84·61
		Ulipore	...	...	...	...	...	...	...	Nil	Nil	0·85	?	53·72	?
	Julpigoree ...	Julpigoree .	...	0·17	...	...	...	...	...	1	0·17	1·25	5·63	103·60	117·96
		Alipore Duar	...	...	...	...	...	...	...	Nil	Nil	0·38	?	79·68	?
		Fallacotta ...	...	0·09	...	...	...	...	...	1	0·09	2·90	?	89 72	?
		Debiganj ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59·93	?
	Cooch Behar	Dinhatta	...	...	...	...	...	...	...	Nil	Nil	0·35	6·00	89·35	92·26
		Cooch Behar	...	...	...	...	...	...	...	Nil	Nil	1·56	5 44	88 46	117 98
		Mekligunge	...	...	...	...	...	...	...	Nil	Nil	0·61	4·08	74 25	107·34
		Mathabhanga...	...	...	...	...	...	...	...	Nil	Nil	1·01	7·30	73·39	116·26
	Darjeeling Hill.	Buxa	...	0·31	...	...	...	...	...	1	0·31	5·83	10·38	154·41	190·86
		Silliguri	...	...	...	...	...	...	...	Nil	Nil	2·24	5·03	81·34	103·72
		Darjeeling ...	...	...	...	...	...	...	...	Nil	Nil	0·04	6·98	86·07	107·71
		Kalimpong .	...	...	...	...	...	...	...	Nil	Nil	0·11	3·09	67 88	81·79
	Purneah	Kissengunge...	...	...	...	...	...	...	...	Nil	Nil	0·18	3·35	46·83	60 68
		Arraria	...	...	...	...	...	...	...	Nil	Nil	Nil	3·54	50 50	63·17
		Purneah	...	...	...	...	...	...	...	Nil	Nil	Nil	3·76	43·61	63 71
		Gondwara ...	...	...	...	...	...	...	...	Nil	Nil	1 20	?	?	?
		Balarampore ...	...	...	...	...	...	...	...	Nil	Nil	1·08	?	?	?
		Mattari ...	...	...	...	...	...	...	...	Nil	Nil		?		?
		Kaliaganj ..	...	...	...	...	...	...	...	Nil	Nil	1·10	?	56·94	?
NORTH BEHAR	North Bhagulpore.	Maddapore	...	...	...	...	...	...	...	Nil	Nil	Nil	4·30	55·?8	49·08
		Soopool ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·92	40 99	47 71
		Protabganj ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	37 78	?
	Durbhunga	Tajpore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	3·17	39·80	42·40
		Durbhunga .	...	...	...	...	...	...	...	Nil	Nil	Nil	3·04	35·31	43·23
		Madhubani ..	...	...	...	...	...	...	...	Nil	Nil	Nil	2·61	40·72	44·35
		Bahera ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50·70	?
		Roshera ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	42·46	?
	Mozufferpore	Sitamarhi .	...	...	...	...	...	...	...	Nil	Nil	Nil	2·82	31·06	42·43
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	Nil	3·40	40·07	44 71
		Hajipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3·98	45·18	41 14
		Para ...	...	...	0·05	...	...	...	...	1	0·05	0·05	?	36·67	?
		Mahua ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	35·41	?
		Sruhar ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	28·27	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	23·10	?
	Chumparun...	Motihari ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3·50	35·91	43·90
		Bettiah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3·03	45 53	47 51
		Bagaha ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	52·00	?
		Burhurwa ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	35 66	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 2nd of November 1888—*concld.*

Meteorological Division	District.	Station	Rainfall: Saturday, 27th October	Sunday, 28th October	Monday, 29th October.	Tuesday, 30th October	Wednesday, 31st October	Thursday 1st November	Friday, 2nd November.	Total: Number of rainy days.	Total: Rainfall of week	Total rain fall since 1st of October	Average total rain-fall from 1st of October	Total rain-fall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded*	Sarun	Gopalgunge								Nil	Nil	Nil	5 51	38 00	43 15
		Siwan								Nil	Nil	Nil	4 00	40 33	42 99
		Chuprah								Nil	Nil	Nil	3 58	35 24	39 69
SOUTH BEHAR	Shahabad	Buxar								Nil	Nil	0 60	3 35	40 74	37 40
		Dehree								Nil	Nil	1 36	3 27	42 92	37 42
		Bhubooah								Nil	Nil	Nil	3 27	39 57	39 86
		Sasseram								Nil	Nil	Nil	3 75	41 07	39 69
		Arrah			0 2[illegible]					1	0 25	0 13	3 31	42 07	39 31
		Mohania								Nil	Nil	Nil	?	33 98	?
	Gya	Aurungabad			0 71					1	0 71	0 71	2 76	52 96	41 69
		Gya			0 40					1	0 40	0 40	2 37	50 22	41 57
		Nowadah								Nil	Nil	Nil	2 63	47 67	38 97
		Jehanabad								Nil	Nil	0 03	3 55	44 70	39 52
		Arwal								Nil	Nil	Nil	?	37 22	?
		Daudnagar								Nil	Nil	Nil	?	41 71	?
		Sherrghatty								Nil	Nil	0 63	?	32 04	?
		Rajauli								Nil	Nil	Nil	?	27 93	?
		Pakri Barawa								Nil	Nil	Nil	?	37 06	?
	Patna	Patna								Nil	Nil	Nil	3 38	39 04	41 08
		Dinapore								Nil	Nil	Nil	3 27	41 39	40 67
		Behar								Nil	Nil	0 28	3 22	51 06	40 94
		Barrh								Nil	Nil	Nil	3 20	52 57	38 99
		Bukram								Nil	Nil	Nil	?	37 00	?
		Hilsa								Nil	Nil	0 15	?	45 44	?
	Monghyr	Begoosarai								Nil	Nil	Nil	3 19	45 49	39 23
		Monghyr		0 [illegible]						1	0 03	0 03	3 5[illegible]	53 25	45 79
		Jamui		0 [illegible]						1	0 7[illegible]	1 08	2 71	48 52	42 44
		Gogri								Nil	Nil	Nil	?	58 40	?
		Sheikpura								Nil	Nil	Nil	?	58 18	?
	South Bhagulpore	Bhaugulpore		0 07						1	0 07	0 07	3 16	53 88	41 15
		Banka			0 07					1	[illegible]07	2 [illegible]5	3 48	30 18	43 94
		Kolgong			0 07					1	0 07	0 87		50 26	?
	Sonthal Pergunnahs	Rajmehal								Nil	Nil	Nil	3 94	45 51	51 66
		Godda			0 10					1	0 1[illegible]	0 83	3 07	47 39	44 [illegible]8
		Pakour				0 0[illegible]				1	0 05	1 45	4 52	63 71	54 87
		Nya Doomka			0 13	1 11				2	1 [illegible]	1 51	4 11	49 63	52 29
		Deoghur		1 [illegible]	0 05					2	1 41	1 3[illegible]	4 39	51 52	49 38
		Jamtara								Nil	Nil	0 35	3 22	54 98	47 39
		Mohagama								Nil	Nil	Nil	?	?	?
		Nunihat			0 65					1	0 6[illegible]	0 65	?	27 78	?
CHUTIA NAGPUR.	Hazaribagh	Pachamba (*Giridi*)		0 [illegible]						1	0 70	4 15	3 18	55 29	46 68
		Hazaribagh		0 11	0 15					2	0 [illegible]6	1 03	3 28	54 38	46 94
		Sumtaguran			0 28	0 50				2	[illegible]8	1 54	3 19	53 93	44 75
		Manudi Hills											2 70		46 90
		Jhoomrah Hill			0 40					1	0 40	0 70	3 70	62 15	61 17
		Barhi		0 50	0 20					2	0 [illegible]	1 04	?	49 55	?
		Chatra			0 19					1	0 19	0 99	?	53 85	?
		Karagdeha								Nil	Nil	Nil	?	51 83	?
		Ramghar		1 95						1	1 95	1 95	?	48 33	?
	Lohardugga	Lohardugga		0 [illegible]5						1	0 [illegible]5	0 35	2 83	45 82	50 36
		Ranchi		0 07	0 28					2	0 35	0 35	3 09	52 68	50 97
		Palamow								Nil	Nil	Nil	2 88	51 35	41 95
		Sills								Nil	Nil	Nil	?	?	?
		Balumat								Nil	Nil	Nil	?	42 42	?
		Hosseinabad								Nil	Nil	Nil	?	?	?
		Gurwah		0 [illegible]0						1	0 [illegible]0	0 20	?	40 68	?
	Singhbhoom	Chyebassa								Nil	Nil	0 05	2 97	39 79	50·44
		Chakradharpore								Nil	Nil	Nil	?	54 15	?
		Ghatsilla								Nil	Nil	0 28	?	54 11	?
		Bunaragura								Nil	Nil	Nil	?	58 55	?
	Manbhoom	Purulia								Nil	Nil	0 05	3 16	55 77	48 1[illegible]
		Govindpore				0 3[illegible]				1	0 [illegible]9	1 12	3 5[illegible]	35 64	44 20
		Raghunathpore								Nil	Nil	1 20	?	52 7[illegible]	?
		Barrabhoom								Nil	Nil	0 09	?	50 51	?
		halda hus													

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 6th November* 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 2ND OF NOVEMBER 1888.

THE principal point of interest in the meteorology of the past week has been the formation of a severe cyclone in the Bay of Bengal and its subsequent advance over Madras. At the close of the previous week, fine weather prevailed in Bengal and at the head of the Bay, and conditions were favourable for the setting in of the north-east monsoon. In the centre and south of the Bay a moderate monsoon only was blowing, north-easterly winds being generally reported on the Madras coast, and moderate to heavy rain at most of the coast stations. Conditions were to a great extent unchanged on the 27th, except that winds on the Madras coast became more westerly, and the area of heaviest rainfall was transferred to Ceylon. On this day there were no signs whatever of the formation or existence of any storm in the Bay. On the 28th there was a considerable increase in the wind velocities at the stations in the east of the centre of the Bay, and pressure began to fall briskly along the Madras coast, but still there was no evidence of the existence of any depression in the Bay. Almost similar conditions continued on the 29th, and it is evident that a depression was forming to the west of the centre of the Bay, though the west coast stations still showed no signs of its existence. On the morning of the 30th, the wind directions on the Madras coast from Vizagapatam southwards appeared to form part of a cyclonic circulation, while the Ceylon stations commenced to show a rather powerful indraught. The centre of the depression, as judged by the coast observations on this day, was some distance off the coast to the east or east north-east of Madras. During this day the storm rapidly intensified, and by Wednesday morning, the 31st October, it was a well-defined cyclonic storm, the centre of which was perhaps 80 or 100 miles to the east of Madras The cyclone during the Wednesday continued to drift towards Madras, and the centre passed almost over that station at about 10 P.M. on this day, when a pressure slightly below 29 inches was recorded. The cyclone was an exceedingly fierce one, and must have done much damage, but the main force of the storm, so far as observations have been received, appears to have expended itself near Madras, and the central calm passed probably only a few miles to the south of that station. A severe gale of wind with high sea, however, prevailed along the whole of the west coast from Coconada southwards, though the storm does not appear to have made itself much felt as far south as Negapatam. The cyclone on striking the coast was apparently moving almost due westerly, and it rapidly advanced inland quite unbroken; and at 8 A.M. of the 1st November, the centre was not far from Cuddapah; while on the morning of the 2nd, the storm had advanced across the Peninsula, and the centre was crossing the west coast near Mangalore into the Indian Ocean. In its advance across the Peninsula, the storm gave cyclonic winds, and very heavy rain, which disturbed conditions, afterwards commenced to drift in a northerly condition. The subsequent line of advance of the storm, however, and its effect on the weather in Northern India and in Bengal, belong to the meteorology of the subsequent week.

Directly the storm was known to have formed off the coast, that is on Tuesday morning, the 30th instant, information of the fact was telegraphed to the Madras ports, and on Tuesday evening these ports were informed that the cyclonic storm was of considerable intensity, and that it would probably strike the coast close to Madras, though perhaps a little to the north of it. Further warnings of similar character were also telegraphed to those ports as the storm advanced towards, and finally crossed the coast.

The disturbed conditions brought about by the storm were very general, and they affected the weather even as far as Orissa; and from the 30th and 31st rain showers became rather frequent, particularly in the southern districts of Pooree and Cuttack; but up to the close of the week the effects of the cyclone had not made themselves felt in any way in South Bengal, beyond the fact that the sky had commenced to cloud over.

The only other facts of importance in the meteorology of the week have been the occurrence of fairly general rain in the South Bhagulpur, Sonthal Pergunnahs, and Hazaribagh districts, and of showers in Lohardugga, Manbhoom, Monghyr, Shahabad, Gya, Julpigoree and the Darjeeling Hills districts.

Pressure.—The variations of pressure during the week have been unimportant, and the cyclonic storm in the Bay has been too far to the south to do more than very slightly affect the pressures in the extreme south of the province. Pressure has thus been in excess of the normal in all districts, the excess ranging from about 0·06 inch in the north-west of the province, and at Dacca to one of 0·03 inch in Orissa. The mean excess for the week for the whole province is equal to about 0·05 inch. In Assam the excess pressure has been equal to about 0·03 inch.

Temperature—Has been decidedly above the normal almost throughout the week. The mean temperature for the week for all districts has been no less than 2·3° in excess of the normal; while in South-West Bengal, South Behar and Chutia Nagpur, the excess has been about 3°. In Assam an excess temperature of 1° only is recorded.

Rainfall—Has been absent in South-West and East Bengal, and in North Behar, and practically absent, in North Bengal. In Orissa and Chutia Nagpur, though the falls have been irregularly distributed, they have averaged four-tenths of an inch, and in South Behar, though the falls have been very local and irregular, they have averaged 0·21 inch for the district. In Chutia Nagpur this fall is considerable for the period, while in South Behar the amount is almost normal. In Orissa, on the other hand, the actual fall is less than half the amount which is normally due.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 2nd of November 1888:—

Meteorological Divisions.	Temperature. Highest observed during week.	Lowest observed during week.	Averages for week. Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.	Rainfall. Of week. Average.	Normal average.	Variation.	Rainy days. Average number in week.	Normal average number in week.	Variation.	Since 1st of October. Average.	Normal average.	Since 15th May. Average.	Normal average.
Orissa	92·9	67·8	87·3	73·0	80·2	+2·4	0·55	0·98	—0·43	1·1	1·3	—0·2	1·73	6·43	47·29	51·98
South-West Bengal ...	90·5	65·8	88·5	71·4	80·0	+2·7	Nil	0·40	—0·40	0·0	0·8	—0·8	1·52	4·46	53·09	51·05
East Bengal	88·6	65·6	86·8	70·7	78·7	+1·2	Nil	0·81	—0·81	0·0	1·0	—1·0	4·56	5·86	69·82	72·72
North Bengal	89·4	59·2	86·6	67·7	77·2	+2·0	0·01	0·28	—0·27	0·1	0·4	—0·3	0·70	4·62	52·46	69·68
North Behar	89·7	55·4	85·9	66·2	76·1	+1·3	Nil	0·27	—0·27	0·0	0·3	—0·3	0·01	3·58	41·45	47·97
South Behar	90·9	58·8	87·6	68·2	77·9	+2·8	0·21	0·24	—0·03	0·6	0·3	+0·3	0·54	3·33	47·62	42·96
Chutia Nagpur	86·0*	61·4*	82·2*	65·5*	73·8*	+3·2*	0·40	0·25	+0·15	1·0	0·6	+0·4	1·20	5·14	49·06	48·46
Assam	91·5	63·8	86·0	68·1	77·0	+1·0										

* Chyebassa not included.

Meteorological Office, Bengal;
The 6th November 1888.

A. Pedler,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 28th October to 3rd November 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
October	28th ...	80·1	88·0	15·4	72·6	76·0	·844	74·1	82	Nil
"	29th ...	80·4	89·0	15·8	73·2	75·8	·831	73·7	80	Nil
"	30th ...	79·0	88·5	15·9	72·6	76·5	·880	75·3	89	Nil
"	31st ...	80·7	89·0	14·2	74·8	75·5	·814	73·0	78	Nil
November	1st ...	79·4	88·8	16·8	72·0	70·4	·624	65·2	61	Nil
"	2nd ...	77·4	88·2	18·8	69·4	69·8	·628	65·4	67	Nil
"	3rd ...	76·1	84·1	14·3	69·8	70·6	·676	67·6	75	Nil

The mean temperature of the seven days	... ...	79·0°
The extreme variation of temperature	... .	19·6
The maximum temperature	... ...	89·0
The mean relative humidity	... ...	76%
The total fall of rain from 28th October to 3rd November 1888	...	Nil (Inches.)

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Meteorological Office, India;
The 5th November 1888.

A. Pedler,
for Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 28th October to 3rd November 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
1888.		°		Inches	°	°	°	°	°	Inches	°	%			Inches.	
Oct.	28th	144·0	7·9	29·902	79 0	86·4	14 2	72 2	75·4	0 831	73 8	85	Calm and variable ..	9	Nil	Chiefly clear, ⌓, ≡
„	29th	141·5	7 8	·936	79 0	86 5	13 8	72 7	74 8	·807	72 8	82	Calm and variable ...	16	Nil	Chiefly clear, ⌓, ≡
„	30th	144 5	4 3	·929	79 1	86 2	14·5	71 7	75 1	·821	73 3	83	NNE and calm .	7	Nil	Chiefly cloudy, ⌓.
„	31st	139·0	1·8	918	80 1	86 6	12 7	73 9	75 0	·800	72 5	79	NE and calm ...	35	Nil	Chiefly cloudy, ⌓
Nov.	1st	142 4	7 3	·958	78 8	86 7	15 0	71 7	70 5	·638	65 9	66	NNE and calm	62	Nil	Chiefly cloudy
„	2nd	140 4	7 7	927	76 6	84 6	16 8	67 8	69 6	·630	65 5	70	N and calm ...	32	Nil	Chiefly cloudy, ⌓.
„	3rd	135 5	2 0	953	75 6	82 2	13 8	68 4	69 7	647	66 3	73	N by W, calm and variable	26	Nil	Chiefly cloudy, o.

	Inches
The mean pressure of the seven days	29 932
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·899
	Hours.
The total number of hours of bright sunshine	38·8
The maximum possible number of hours of sunshine	79·0
	°
The mean temperature of the seven days	78·3
The average temperature of the corresponding period for 24 years, S. G.'s Office	78·8
The extreme variation of temperature	18·9
The maximum temperature	86·7
	Miles.
The highest velocity of the wind in one hour	7
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	77
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	74
	Inches.
The total fall of rain from 28th October to 3rd November 1888 ...	Nil
The average fall of the corresponding period for 24 years, S. G.'s Office ...	0·48
The total fall from 1st January to 3rd November 1888	66·58
The average fall of the corresponding period for 24 years, S. G.'s Office ...	64·63

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h., 10h., 16h., and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, ≡ fog, ⌓ dew.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 5th November 1888.

MEMORANDUM.

DURING the week ending 13th October 1888, the principal Municipalities in Bengal (excepting Chittagong and Mozufferpore, from which no data have yet been received), returned the birth and death-rates of 18·6 and 26·6 per 1,000 of population, respectively, against 24·5 and 31·7 per 1,000, respectively, in the preceding week, showing a large reduction in the registration of both the events.

2. The following Municipalities returned the highest proportions of births and deaths:—

Births.	Ratio per *mille.*	*Deaths.*	Ratio per *mille.*
Beauleah	42·0	Gya	68·3
Monghyr	41·6	Suburbs of Calcutta	46·5
Comillah	38·5	Comillah	46·2
Durbhanga	34·6	Monghyr	38·9
Serampore	33·4		
Darjeeling	32·6		

3. The subjoined table gives the death-rates from the principal diseases The figures denote that, as compared with the results of the preceding week, there was an abatement of mortality from all the diseases excepting small-pox and injury:—

	Ratio per *mille* during the weeks ending—	
	13th October 1888.	6th October 1888.
Cholera	4·9	6·2
Small-pox	·1	·04
Fever	10·3	12·6
Bowel-complaints	3·3	3·8
Injury	·3	·3
Other causes	7·7	8·7

4. The highest death-rates from cholera, fever, and the diseases coming under the head of "Other causes," were returned from the following Municipalities, the rest of the malidies (above-named) not proving conspicuously fatal anywhere:—

Cholera.	Ratio per *mille.*	*Fever.*	Ratio per *mille*	*Other causes*	Ratio per *mille.*
Suburbs of Calcutta	12·8	Gya	34·2	Comillah	19·2
Gya	11·6	Comillah	26·9	Gya	19·1
Bali	10·5			Serampore	13·7
Howrah	8·0			Monghyr	12·7
Bhagulpore	3·6			Midnapore	12·4
Monghyr	3·6			Suburbs of Calcutta	11·2
Patna	2·6			Puri	10·5
				Dacca	10·4

5. The mortality referable to *Sex*, *Class*, and *Age* stood as follows:—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille*	*According to Age.*	Ratio per *mille.*
Males	30·5	Christians	47·5	Under 1 year	178·7
Females	22·3	Hindus	27·9	1 and under 5 years	42·1
Ratio of male deaths to every 100 female deaths	154	Mahomedans	23·0	5 " 10 "	16·3
		Other classes	36·6	10 " 15 "	7·2
				15 " 20 "	21·6
				20 " 30 "	20·4
				30 " 40 "	20·0
				40 " 50 "	19·0
				50 " 60 "	25·8
				60 years and upwards	55·2

W. H. GREGG, *Dip. Publ. Health, Camb*,
Offg. Sanitary Commissioner for Bengal.

The 5th November 1888.

1	2	3			4			5			6	7							8							9	10		11		12
												MORTALITY ACCORDING TO—																			
		POPULATION			BIRTHS							Disease															Sex				
DISTRICTS	NAMES OF MUNICIPALITIES				NUMBER OF—			*RATIO PER 1,000 OF POPULATION PER ANNUM			Ratio of male births to every 100 female births	DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM							Ratio of deaths per 1,000 of population per annum in the previous week	DEATHS		RATIO PER 1,000 OF POPULATION PER ANNUM		Ratio of male deaths to every 100 female deaths
		Males	Females	Total	Males	Females	Total	Males	Females	Total		Cholera	Small-pox	Fevers	Bowel complaints	Injury	Other diseases	All causes	Cholera	Small-pox	Fevers	Bowel complaints	Injury	Other diseases	All causes		Males	Females	Males	Females	
Burdwan	Burdwan	18,[illegible]3	[illegible]171	34,[illegible]	2	1	3	3 6	1 5	4 8	200			1	1			2			1 5	1 5			3 0	24 1	1	1	3 9	3 2	100
Midnapore	Midnapore	1[illegible]	1[illegible]3	[illegible]	2	4	6	3 1	6 2	9 3	50	1		2	4		8	15	1 5		3 1	6 2		12 4	2 2	15 5	8	7	24 6	21 9	114
Hughli	Hughli and Chinsurah	14,[illegible]	[illegible]	[illegible]	7	7	14	9 4	9 4	18 8	100			5	1	1	3	10			6 7	1 3	1 3	4 0	13 4	19 7	5	5	13 6	13 2	100
Serampore	Serampore	3,5[illegible]	1[illegible]	2[illegible]	12	5	17	[illegible]	[illegible]	33 4	240	1		3	2		7	13	1 4		5 9	3 9		13 [illegible]	25 5	33 [illegible]	7	6	26 5	24 1	116
	Utterpara	3,[illegible]	2,[illegible]4	5,570	1	1	2	9 4	9 4	18 8	100	1			1			2	9 4			4 4			18 9	3[illegible] 5	2		[illegible]4 1		No female death
Howrah	Howrah	53,1[illegible]	7[illegible]	9[illegible]3	15	13	28	[illegible]6	7 4	16 0	115	14		8	11	1	6	40	8 0		[illegible]	6 [illegible]	6	3 4	22 [illegible]	26 3	27	13	20 4	13 1	207
	Bali	7,[illegible]3	6,[illegible]7	14,815	1	2	3	[illegible]	7 0	10 5	50	3			2				10			7 [illegible]			17 5	21 1	3	2	14 9	14 9	150
24-Pergunnahs	Suburbs of Calcutta	147,[illegible]	104,[illegible]34	251,[illegible]	5	4[illegible]	[illegible]	1[illegible]3	[illegible]	19 9	1[illegible]9	62	1	7[illegible]	5[illegible]	[illegible]	54	[illegible]	12 [illegible]	2	1[illegible]	6 8	4	11 2	40 5	44 5	155	69	55 1	34 4	226
Nuddea	Kishnaghur	13,263	14,214	27,47[illegible]	1	2	3	1 9	3 7	5 6	50			2			3	5			3 7			5 6	9 4	9 5	3	2	11 7	7 3	150
	Ranaghat	4,028	4,[illegible]55	8,[illegible]83																						6 0					
	Santipore	13,7[illegible]	15,[illegible]	29,[illegible]																						3 5					
Jessore	Jessore	4,530	3,[illegible]	8,4[illegible]	-	1	1		6 1	[illegible]1	No male birth															12 2					
Rajshahye	Rampore Beauleah	1[illegible]	9,[illegible]	19,791	8	8	16	2 0	[illegible]1 0	4[illegible]	100			3		1	1	5			7 [illegible]		2 6	2 6	13 1	18 4	2	3	9 7	17 3	66
Darjiling	Darjiling*	5,[illegible]2	2,[illegible]	7,[illegible]	3	3	6	1 [illegible]	19 [illegible]	32 [illegible]	6[illegible]				1		1	2				6 5		6 5	13 0	26 1	1	1	10 3	17 6	100
Dacca	Dacca	4[illegible]2	[illegible]7,3[illegible]9	80,161	9	10	19	5 8	6 5	12 3	90	2		6	3		16	27	1 3		3 [illegible]	1 9		10 4	1[illegible] 5	18 [illegible]	15	12	18 [illegible]	16 7	125
	Narainganj	7,605	4,956	12,561	2	4	6	8 3	1[illegible] 5	[illegible]4 8	50			1			2	3			4 1			8 3	12 4	41 1	2	1	[illegible]3[illegible]	10 5	200
Chittagong	Chittagong											Data not available																			
Tipperah	Comillah	[illegible]15[illegible]	5,[illegible]53	13,506	6	4	10	23 1	15 4	38 5	150						5	[illegible]			2[illegible] 9			1	4 [illegible]	7 [illegible]	6	6	3[illegible]	[illegible]5 3	100
Patna	Patna City	[illegible]8,762	81,478	160,237	24	15	39	7 8	4 9	12 7	1[illegible]	8		2	4		16	[illegible]	[illegible]		4 1	1 [illegible]		[illegible]	1	1[illegible]	3	2	[illegible]1 8	2[illegible]	165
Gya	Gya	38,290	37,831	76,121	19	14	33	1 9	9 6	22 5	135	17	1	5	3	1	[illegible]	1	1		34 2	[illegible]	7	11 1	6[illegible] 3	[illegible]	[illegible]	47	[illegible]2 0	6[illegible]	112
Shahabad	Arrah	20,960	22,505	43,465	8	1	9	9 6	1 2	10 8	800	1		11			1	1	1[illegible]		15 [illegible]			1 2	1 6	[illegible]	[illegible]	1	4 6	2[illegible] 4	18
Mozufferpore	Mozufferpore											[illegible]																			
Durbhanga	Durbhanga	33,774	32,322	66,096	22	22	44	17 3	1[illegible]	34 [illegible]	100			1	3		6	20			15 4	[illegible]		1 7	20 [illegible]	19 9	15	11	23 1	17 7	136
Sarun	Chupra	26,044	27,205	5[illegible],949	7	7	14	[illegible]5	6 5	13 [illegible]	100	1					5	15	1 [illegible]		6 5	1 9		4 3	14 [illegible]	15 0	10	5	[illegible]0	9 6	200
Bhagulpore	Bhagulpore	2[illegible],[illegible]40	2[illegible],815	57,453	13	7	20	11 [illegible]	6	[illegible]5 1	185	4		3			7	14	3 6		[illegible]7			6 3	1[illegible] 7	42 5	8	6	14 9	11 2	133
Monghyr	Monghyr	2[illegible],1[illegible]4	[illegible]	57,5[illegible]3	2[illegible]	2[illegible]	46	22 6	[illegible]0	41 6	119	4		[illegible]	4	1	14	43	3 0		15 1	3 6	9	1[illegible]7	35 [illegible]	51 [illegible]	22	21	40 6	37 2	104
Purneah	Purneah	8,[illegible]3	6,[illegible]	15,016	4		4	13 9		13 9	No female birth			3				3			10 4				10 4	34 6	2	1	12 3	7 9	200
Puri	Puri	13,[illegible]7	1[illegible],53[illegible]	24,784	7	4	11	14 7	8 4	23 1	17[illegible]			2	4		5	11			4 2	8 4		10 5	23 1	23 1	8	3	31 4	13 5	266
	TOTAL	[illegible]	[illegible]	1,257,[illegible]	247	202	449	10 2	8 4	18 6	122	119	2	[illegible]19	79	7	185	644	4 9	1	10 3	3 3	3	7 7	26 6	31 7	391	253	30 5	22 3	154

A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives as before as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

MORTALITY ACCORDING TO—

Class (13, 14) and Age (15) — Deaths among; Ratio per 1,000 of population per annum; Deaths.

Districts.	Names of Municipalities.	Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	1	1	...	...	..	2·2	·1	...	...	...	..	1	...	...	...	1	...	...	...
Midnapore ...	Midnapore ...	...	8	7	...	...	..	16·0	30·4	...	...	...	1	...	...	2	4	1	2	1	4
Hughli ...	Hughli and Chinsurah ...	...	8	2				13·1	15·2	...	...	3	...	1	1	1	...	1	1	1	1
Serampore ...	Serampore ...	...	12	1	...	...	...	24·7	53·4	..	...	1	2	...	1	1	4	...	1	1	2
	Utterpara ...	...	2	...	...	...	...	19·5	...	...	.	...	...	...	...	...	1	1	...	...	...
Howrah ...	Howrah ...	...	30	9	...	1	...	22·9	22·8	...	215·8	2	6	6	2	3	7	5	3	2	4
	Bali ...	...	3	2	...	...	...	11·6	79·3	...	...	...	1	1	...	...	2	1	...	...	...
24-Pergunnahs ...	Suburbs of Calcutta ...	9	156	60	..	...	115·6	54·1	32·3	..	..	29	24	9	3	17	46	40	24	13	20
Nuddea ...	Kishnaghur ...	1	2	2	...	...	91·7	5·5	12·5	...	...	2	...	1	1	...	...	...	...	1	..
	Ranaghat ...	...	...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	...	...	...	...
	Santipore ...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
Jessore ...	Jessore ...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah ...	...	5	...	...	...	...	26·2	...	..	...	1	1	1	...	...	1	...	...	...	1
Darjiling ...	Darjiling ...	...	2	...	..	...	...	22·6	...	...	...	...	...	...	...	..	2	...	...	...	..
Dacca ...	Dacca ...	...	8	19	...	...	...	10·3	25·1	...	...	5	...	2	1	4	4	4	1	5	1
	Narainganj ...	...	1	2	...	...	...	8·2	16·9	...	...	...	..	1	.	...	...	...	..	2	...
Chittagong ...	Chittagong ...																Data not vai able.				
Tipperah ...	Comillah ...	...	4	5	...	...	...	35·0	56·3	..	...	1	...	...	1	1	2	1	2	2	2
Patna ...	Patna City ...	...	45	8	...	...	...	19·7	10·2	...	...	7	6	3	3	3	7	10	6	1	7
Gya ...	Gya ...	...	89	11	...	...	...	77·1	35·6	...	...	11	22	5	1	3	13	10	8	10	17
Shahabad ...	Arrah ...	...	7	6	...	...	...	11·7	25·1	...	...	1	1	...	...	1	3	1	...	2	4
Mozufferpore ...	Mozufferpore ...																Data not available.				
Durbhanga ...	Durbhanga ...	...	19	7	...	...	...	20·4	20·7	...	...	8	6	5	..	...	...	1	1	..	5
Sarun ...	Chupra ...	...	11	4	...	...	...	13·9	17·3	...	...	5	2	...	...	...	...	1	2	1	4
Bhagulpore ...	Bhagulpore ...	...	10	4	...	...	...	13·1	12·1	...	...	7	4	...	...	...	2	1	...	...	...
Monghyr ...	Monghyr ...	...	37	6	...	...	...	43·0	24·8	...	...	14	8	2	1	1	2	2	4	1	8
Purneah ...	Purneah ...	...	1	2	...	...	...	5·7	18·4	...	...	...	...	...	...	1	...	...	1	1	...
Puri ...	Puri ...	...	11	...	...	...	...	23·3	...	...	...	2	...	1	...	1	1	3	...	1	2
	TOTAL ...	10	473	161	...	1	47·5	27·9	23·0	...	36·6	99	84	39	15	39	101	84	56	45	83

Age (16) — Ratio per 1,000 of population per annum.

Districts.	Names of Municipalities.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	...	22·3	...	...	...	7·5	...	...	...
Midnapore ...	Midnapore ...	...	22·1	...	...	32·9	28·3	9·4	27·9	25·2	113·7
Hughli ...	Hughli and Chinsurah ...	165·4	...	14·9	17·2	17·5	...	7·4	10·1	15·9	20·7
Serampore ...	Serampore ...	73·2	57·6	...	23·4	23·8	38·6	...	15·4	27·2	74·8
	Utterpara ...	...	...	...	...	...	45·2	49·0	...	...	...
Howrah ...	Howrah ...	50·4	56·3	49·6	13·8	21·3	16·0	13·5	13·3	19·0	85·5
	Bali ...	...	52·1	48·8	...	...	31·1	18·6	...	...	...
24-Pergunnahs ...	Suburbs of Calcutta ...	316·5	77·2	23·6	8·7	49·1	41·2	40·4	36·8	39·8	73·0
Nuddea ...	Kishnaghur ...	200·7	...	15·1	18·5	...	...	...	...	24·7	...
	Ranaghat ...	...	...	...	...	...	...	...	...	...	...
	Santipore ...	...	...	...	...	...	...	...	...	...	...
Jessore ...	Jessore ...	...	...	...	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah ...	128·1	36·7	25·0	...	...	12·5	...	...	...	54·0
Darjiling ...	Darjiling ...	...	...	...	...	...	52·0	...	...	...	...
Dacca ...	Dacca ...	137·0	...	16·5	6·5	28·5	13·6	17·8	6·1	54·9	9·3
	Narainganj ...	...	...	33·4	...	...	...	...	...	132·8	...
Chittagong ...	Chittagong ...										
Tipperah ...	Comillah ...	175·1	...	...	35·6	21·5	37·6	26·1	79·4	129·8	153·4
Patna ...	Patna City ...	84·5	21·4	9·3	10·8	14·0	12·6	22·4	16·6	3·7	26·4
Gya ...	Gya ...	319·6	189·0	37·2	7·7	29·8	45·9	40·5	42·6	79·1	171·8
Shahabad ...	Arrah ...	40·4	11·7	...	...	16·5	19·9	8·1	...	33·6	72·1
Mozufferpore ...	Mozufferpore ...										
Durbhanga ...	Durbhanga ...	267·2	41·0	33·2	...	...	...	4·7	7·1	...	81·4
Sarun ...	Chupra ...	150·1	19·6	...	...	...	...	6·4	16·6	12·3	59·8
Bhagulpore ...	Bhagulpore ...	304·9	33·4	...	...	...	9·5	5·6	...	...	...
Monghyr ...	Monghyr ...	490·2	66·8	14·7	9·1	13·8	10·1	11·7	32·6	13·1	116·0
Purneah ...	Purneah ...	...	...	...	...	53·3	...	...	28·1	55·5	...
Puri ...	Puri ...	343·2	...	23·2	...	28·0	9·8	38·5	...	23·3	57·6
	TOTAL ...	178·7	42·1	16·3	7·2	21·6	20·4	20·0	19·0	25·8	55·2

OFFICE OF SANITARY COMMISSIONER FOR BENGAL;
The 5th November 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Offg. Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS

Approximate Return of Traffic for the week ending Saturday, the 3rd November 1888, as compared with the corresponding week of the previous year

Nature of Cargo	Week ending Saturday the 3rd November 1888			Week ending Saturday the 5th November 1887		
	Number of boats	Weight of cargo	Tollage	Number of boats	Weight of cargo	Tollage
	No	Mds	Rs	No	Mds	Rs
Rice and paddy ..	885	1,49,5[illegible]5	2,791	811	1,08,628	1,820
Jute .	449	2,18,675	4,087	289	1,51,645	2,816
Firewood ..	203	77,575	1,284	165	7[illegible],335	1,0[illegible]0
Other articles ..	1,166	2,60,600	4,308	1,287	2,73,855	4,654
Total .	2,703	7,06,435	12,470	2,552	6,09,463	10,380

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 27th October 1888, on 1,513½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	220 876	2,81,890 0 0	26,28,509 20	5,89,131 10 0	14,571 12 0	8,85,593 6 0	65,765½	81,460½	147,225¾
Or per mile of railway		186 3 6		[illegible] 0 2	9 10 0	585 3 8			...
For previous 16 weeks of half-year	3,616,195	36,53,199 0 0	3,69,50,572 20	71,20,286 10 4	2,63,616 1 7	1,10,37,101 11 11	1,019,560½	1,252,407	2,272,057½
Total for 17 weeks	3,837,071	39,35,089 0 0	3,95,85,172 0	77,09,718 4 4	2,78,187 13 7	1,19,22,695 1 11	1,085,325½	1,333,867½	2,410,282¾
Comparison									
Total for corresponding week of previous year	248,979½	2,66,420 10 6	25,39,612 30	5,67,791 4 9	19,479 11 6	8,53,680 10 9	65,979	85,325	151,304
Per mile of railway corresponding week of previous year		176 0 2	.	375 1 [illegible]	12 13 8	563 15 3			...
Total to corresponding date of previous year ...	4,165,258	42,74,372 12 3	3,67,10,618 10	71,44,094 0 2	2,59,775 3 9	1,25,08,242 0 2	1,114,747	1,382,140	2,496,887

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 29th October 1887			Receipts for week ending 27th October 1888			Total receipts from 1st April 1887 to 29th October 1887			Total receipts from 1st April 1888 to 27th October 1888			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs	Rs		Rs	Rs.		Rs	Rs		Rs.	Rs	Rs	Rs.
1,515½	8,53,681	561	1,51[illegible]	8,85,593	585	1,513½	2,40,15,792	549	1,5[illegible]	2,26,0[illegible],67[illegible]	620	.	13,13,113

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 27th October 1888, on 57½ miles open.

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train-miles run.		
	Number of passengers	Receipts	Weight carried	Receipts			Coaching	Merchandise.	Total.
		Rs A P	Mds s.	Rs. A P	Rs A P	Rs A P			
Total traffic for the week	1,15[illegible]	6,086 12 0	34,188 20	2,459 7 0	28 6 0	8,574 9 0	1,897	535	2,432
Or per mile of railway	[illegible]	106 6 7	597 30	42 15 11	0 7 11	149 14 5	.	. .	......
For previous 16 weeks of half-year	*1[illegible]	*1,05,165 0 0	†6,15,509 20	†37,101 4 0	401 10 [illegible]	1,42,667 14 3	29,329	11,195	40,524
Total for 17 weeks	[illegible],671	1,11,251 12 0	6,49,698 0	39,560 11 0	430 0 [illegible]	1,51,242 7 3	31,226	11,730	42,956
Comparison									
Total for corresponding week of previous year	1[illegible]½	7,926 12 6	35,106 20	2,397 5 0	27 11 0	10,[illegible]1 12 6	1,803	591	2,394
Per mile of railway corresponding week of previous year	2[illegible]	138 9 3	613 30	41 14 7	0 7 9	180 15 7	.		......
Total to corresponding date of previous year	[illegible]½	1,35,034 12 0	6,11,403 20	40,361 0 0	568 10 8	1,75,[illegible] 6 3	32,095	10,951	43,046

* Added No of passengers 3,1[illegible] and Rs [illegible] 0 0 } on account of differences between the approximate and audited returns to week ended 8th September 1888.
† Ditto Mds 85,789 and 1,658 0 0 }

Approximate Statement of gross receipts of the Patna-Gya State Railway prepared in accordance with Public Works Department Circular No XXI Railway, dated 23rd July 1883.

Receipts for week ending 29th October 1887			Receipts for week ending 27th October 1888			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs	Rs		Rs	Rs.		Rs.	Rs.		Rs.	Rs	Rs.	Rs.
57½	1,[illegible]	151	57½	8,575	150	57½	2,95,127	172	57½	*3,65,166	153	.	29,961

* Added Rs 3,589 on account of difference between the approximate and audited figures to week ended 8th September 1888.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for the week ending 27th October 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,437	418 3 0	8,596 20	178 13 0	4 11 0	601 11 0	415½	78	493½
Or per mile of railway	......	34 13 7	......	14 14 5	0 6 3	50 2 3	......	......	......
For previous 16 weeks of half-year	*44,385	*7,407 14 0	†1,13,146 10	†2,389 4 0	‡64 6 9	9,861 8 9	6,598	1,532	8,130
Total for 17 weeks ...	46,822	7,826 1 0	1,21,742 30	2,568 1 0	69 1 9	10,463 3 9	7,013½	1,610	8,623½
Comparison.									
Total for corresponding week of previous year	2,637½	449 12 6	14,918 20	347 1 0	6 6 0	803 3 6	364	129	493
Per mile of railway corresponding week of previous year	......	37 7 9	......	28 14 9	0 8 6	66 15 0	......	......	......
Total to corresponding date of previous year	48,896	8,151 14 10	1,54,390 20	3,441 9 0	118 7 0	11,711 14 10	6,873	1,649	8,522

* Deducted No. of passengers 180 and Rs. 21 0 0 }
† Ditto Mds. 307 and „ 132 0 0 } on account of differences between the approximate and audited returns to week ended 8th September 1888.
‡ Ditto „ 10 0 0 }

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	803	67	12	602	50	12	26,313	73	12	*26,536	74	223	......

* Deducted Rs. 163 on account of difference between the approximate and audited figures to week ended 8th September 1888.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 27th October 1888, on 74½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	7,245	4,567 15 0	53,866 10	2,162 14 0	56 0 0	6,786 13 0	746	825	1,571
Or per mile of railway	......	61 1 1	......	28 14 8	0 12 0	90 11 9	......	......	......
For previous 16 weeks of half-year	*72,994	*48,971 15 0	†11,86,028 0	†38,769 14 9	‡1,065 2 9	88,807 0 6	10,712	15,837¾	26,579¾
Total for 17 weeks ...	80,239	53,539 14 0	12,09,694 10	40,932 12 9	1,121 2 9	95,593 13 6	11,458	16,662¾	28,150¾
Comparison.									
Total for corresponding week of previous year	5,567	4,222 10 9	86,738 20	4,957 12 0	129 5 9	9,309 12 6	684	1,103	1,787
Per mile of railway corresponding week of previous year ...	......	56 7 3	... ..	66 4 6	1 11 8	124 7 5	......	......	......
Total to corresponding date of previous year	91,394½	68,454 9 10	16,52,741 20	63,442 8 0	1,731 6 9	1,33,628 8 7	12,248	25,589	37,837

* Added No. of passengers 266 and Rs. 102 0 0 }
† Deducted Mds. 1,20,241 and „ 436 0 0 } on account of differences between the approximate and audited returns to week ended 8th September 1888.
‡ Ditto „ 537 0 0 }

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	,310	124	74½	6,787	91	74½	2,47,631	110	74½	*2,02,461	90	......	45,170

* Deducted Rs. 871 on account of difference between the approximate and audited figures to week ended 8th September 1888.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ending 27th October 1888, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	17,831	4,520 8 0	8,329 0	315 14 0	4 8 0	4,840 14 0	915	53	968
Or per mile of railway	......	201 2 8	......	14 3 3	0 3 2	217 9 1	......	......	......
For previous 16 weeks of half-year	*271,229	*66,507 3 0	†63,283 20	†2,526 14 0	‡91 0 9	69,125 10 9	14,885	691	15,576
Total for 17 weeks ...	289,060	71,027 11 0	71,612 20	2,842 12 0	96 1 9	73,966 8 9	15,800	744	16,544
Comparison.									
Total for corresponding week of previous year	18,953	4,836 13 7	4,038 20	174 15 0	3 0 0	5,014 12 7	921	47	968
Per mile of railway corresponding week of previous year ...	......	217 6 2	......	7 13 10	0 2 2	225 6 2	......	......	......
Total to corresponding date of previous year	299,531½	73,244 4 5	70,619 10	2,564 12 0	93 8 6	75,902 8 11	16,138	790	16,928

* Deducted No. of passengers 4,685 and Rs. 2,227 0 0
† Added Mds. 11 and „ 309 0 0
‡ Deducted „ 6 0 0
} on account of differences between the approximate and audited returns to week ended 8th September 1888.

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	5,015	225	22½	4,841	218	22½	1,52,972	229	22½	*1,57,296	236	4,324	......

* Deducted Rs. 1,924 on account of difference between the approximate and audited figures to week ended 8th September 1888.

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 20th October 1888, on 673 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	106,504	54,850 0 0	6,89,745 0	1,95,900 0 0	16,240 0 0	2,66,990 0 0	21,350	34,812	56,162
Or per mile of railway	158	81 0 0	1,025 0	291 0 0	†5 0 0	377 0 0	......	......	......
For previous 15 weeks of half-year	1,936,369	8,57,904 0 0	95,61,994 0	23,16,199 0 0	2,15,825 0 0	*33,89,928 0 0	340,141	397,213	737,354
Total for 16 weeks ...	2,042,873	9,12,754 0 0	1,02,51,739 0	25,12,099 0 0	2,32,065 0 0	36,56,918 0 0	361,491	432,025	793,516
Comparison.									
Total for corresponding week of previous year	113,018	58,894 0 0	6,69,417 0	1,41,032 0 0	14,473 0 0	2,14,399 0	21,078	24,057	45,135
Per mile of railway corresponding period of previous year ...	175	91 0 0	1,038 0	219 0 0	†3 0 0	313 0 0	......	......	......
Total to corresponding date of previous year	1,894,538	8,40,784 0 0	90,66,854 0	19,81,274 0 0	2,12,202 0 0	30,34,260 0 0	341,645	361,805	703,450

* Audited up to week ending 1st September 1888.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 22nd October 1887.			Receipts for week ending 20th October 1888.			Total receipts from 1st April 1887 to 22nd October 1887.			Total receipts from 1st April 1888 to 20th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	2,14,399	332	673	2,68,990	397	645	48,81,264	261	673	*55,98,152	287	7,16,888	......

* Audited up to 1st September 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 20th October 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	21,000	6,860 0 0	54,130 0	6,350 0 0	60 0 0	13,270 0 0	3,823	2,369	6,192
Or per mile of railway .	168	55 0 0	435 0	51 0 0		106 0 0			.. ..
For previous 15 weeks of half-year	379,255	1,20,705 0 0	9,53,248 0	1,00,905 0 0	1,467 0 0	*2,23 077 0 0	57 363	33,705	91,068
Total for 16 weeks ...	400 255	1,27,565 0 0	10,07,378 0	1,07 255 0 0	1,527 0 0	2 36,347 0 0	61,186	36,074	97,260
COMPARISON									
Total for corresponding week of previous year	22,628	7,802 0 0	51,788 0	6,124 0 0	19 0 0	13,915 0 0	3 718	1,702	5,420
Per mile of railway corresponding period of previous year	181	63 0 0	414 0	49 0 0	..	112 0 0	.	. .	......
Total to corresponding date of previous year .	391,617	1,27,971 0 0	7,02,007 0	69 761 0 0	1 689 0 0	1,99,421 0 0	59,977	27,863	87,840

* Audited up to week ending 1st September 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 22nd October 1887.			Receipts for week ending 20th October 1888.			Total receipts from 1st April 1887 to 22nd October 1887.			Total receipts from 1st April 1888 to 20th October 1888			Total increase in 1888-89	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs		Rs.	Rs.	Rs.	Rs.
125	13,945	112	125	13,270	106	125	3,75,407	104	125	*3,98,148	110	22,741	..

* Audited up to week ending 1st September 1888.

DACCA STATE RAILWAY

Approximate Return of Traffic for week ended 20th October 1888, on 86 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings	Traffic Train-miles run		
	Number of passengers	Coaching receipts	Weight carried	Receipts			Coaching	Merchandise.	Total
		Rs. A. P.	Mds s	Rs A. P	Rs A P	Rs. A P			
Total traffic for the week	8 915	3,351 0 0	11,776 0	1 730 0 0	100 0 0	5,180 0 0	2,760	344	3 104
Or per mile of railway	104	39 0 0	135 0	20 0 0	1 0 0	60 0 0		... .	. .
For previous 15 weeks of half-year .	196 887	60 765 0 0	2,39 078 0	18 457 0 0	4 079 0 0	*83 301 0 0	37 907	10 020	47,027
Total for 16 weeks	205 802	64 115 0 0	2 50,654 0	20 187 0 0	4 179 0 0	88 481 0 0	40 667	10,364	51,031
COMPARISON									
Total for corresponding week of previous year	12 063	4, 16 0 0	22 868 0	2,132 0 0	71 0 0	6 419 0 0	2 6[illegible]	325	2,964
Per mile of railway corresponding period of previous year	140	49 0 0	266 0	25 0 0	1 0 0	75 0 0		... ..	......
Total to corresponding date of previous year	17[illegible]	57 02[illegible] 0 0	1,91 148 0	16,358 0 0	2 3[illegible]7 0 0	75 7[illegible]4 0 0	43 070	6,360	40,430

* Audited up to week ending 1st September 1888

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 22nd October 1887			Receipts for week ending 20th October 1888.			Total receipts from 1st April 1887 to 22nd October 1887			Total receipts from 1st April 1888 to 20th October 1888			Total increase in 1888	Total decrease in 1888
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs		Rs	Rs.	Rs.	Rs.
86	6,419	75	86	5,180	60	86	1,41,523	57	86	1,53,346	61	11,823	...

* Audited up to week ending 1st September 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 20th October 1888, on 38 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs A. P	Rs. A. P.			
Total traffic for the week	2,492	790 0 0	30,284 0	2,870 0 0	30 0 0	3,690 0 0	546	546	1,092
Or per mile of railway	66	21 0 0	797 0	75 0 0	1 0 0	97 0 0	.. ..	......	.....
For previous 15 weeks of half-year ..	45,586	15,019 0 0	3 57,013 0	27 510 0 0	451 0 0	*42 980 0 0	8,068	8,068	16,136
Total for 16 weeks	48,078	15,809 0 0	3,87,297 0	30 380 0 0	481 0 0	46,670 0 0	8,614	8,614	17,228
Comparison.									
Total for corresponding week of previous year	2,552	947 0 0	9,934 0	771 0 0	18 0 0	1,736 0 0	546	546	1,092
Per mile of railway corresponding period of previous year	65	24 0 0	255 0	20 0 0	1 0 0	45 0 0	. ..	... .	.....
Total to corresponding date of previous year . .	49,482	17 280 0 0	1,26,645 0	10,111 0 0	670 0 0	28,061 0 0	9,268	8,892	18,160

* Audited up to week ending 1st September 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 22nd October 1887.			Receipts for week ending 20th October 1888.			Total receipts from 1st April 1887 to 22nd October 1887.			Total receipts from 1st April 1888 to 20th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts.	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,736	45	38	3,690	97	39	68,138	60	38	*90,707	83	22,569	......

* Audited up to week ending 1st September 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 20th October 1888, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings	Traffic Train-miles run.		
	Number of passengers	Coaching receipts.	Weight carried	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A P	Mds. s	Rs A P	Rs A. P.	Rs. A. P			
Total traffic for the week	3 104	1 066 0 0	13,693 0	625 0 0	9 0 0	1,700 0 0	509	254	763
Or per mile of railway	114	59 0 0	502 0	23 0 0	.	62 0 0	......	.... .	... ..
For previous 15 weeks of half-year . .	43,915	15,452 0 0	1,57 1 3 0	9,814 0 0	1 452 0 0	26,718 0 0	7,635	5,173	12,808
Total for 16 weeks .	47 019	16,518 0 0	1 70 816 0	10,439 0 0	1,461 0 0	28,418 0 0	8,144	5,427	13,571
Comparison.									
Total for corresponding week of previous year	3 355	1,115 0 0	6,397 0	367 0 0	6 0 0	1,488 0 0	509	303	812
Per mile of railway corresponding week of previous year	123	41 0 0	235 0	13 0 0	.. .	54 0 0	... ..	......	......
Total to corresponding date of previous year	51,156	17,823 0 0	1,46 777 0	9,103 0 0	267 0 0	27,193 0 0	8,326	5,234	13,560

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 22nd October 1887.			Receipts for week ending 20th October 1888.			Total receipts from 1st April 1887 to 22nd October 1887.			Total receipts from 1st April 1888 to 20th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	1,488	54	27¼	1,700	62	27¼	50,489	64	27¼	54,623	69	4,134	......

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 27th October 1888, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried	Receipts.			Coaching	Merchandise	Total.
		Rs. A. P.	Mds s	Rs. A. P	Rs. A. P.	Rs. A. P			
Total traffic for the week ...	3 178	1,185 0 0	15,901 0	650 0 0	22 0 0	1,807 0 0	509	254	763
Or per mile of railway .	117	41 0 0	561 0	24 0 0	1 0 0	66 0 0		. .	
For previous 16 weeks of half-year	47,019	16,518 0 0	1 70 816 0	10,439 0 0	1 461 0 0	28 418 0 0	8,144	5 754	13,898
Total for 17 weeks .	50 197	17,703 0 0	1,86 717 0	11 089 0 0	1 483 0 0	30 225 0 0	8 653	6 008	14 661
Comparison.									
Total for corresponding week of previous year	2,944	1 062 0 0	5 008 0	240 0 0	13 0 0	1,314 0 0	509	254	763
Per mile of railway corresponding week of previous year	108	39 0 0	186 0	9 0 0	.	48 0 0	......	... .	.
Total to corresponding date of previous year	54,099	18 885 0 0	1 51 815 0	9 243 0 0	279 0 0	28 507 0 0	8,935	5 169	14,323

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs	Rs		Rs.	Rs.	Rs	Rs
27¼	1 314	48	27¼	1 807	66	27¼	51,503	63	27¼	56 153*	69	4,651	

* Includes amount accounted for in the Supplementary Traffic Return for quarter ending 30th June 1888.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs
Approximate earnings for week ending 20th October 1888 . .	10 106
Corresponding week last year	11,279
Decrease	1,173
Receipts from 1st July to 20th October 1888 ...	1,91,069
From 1st July to 22nd October 1887	1,56 913
Increase	34,156
	Miles.
Miles open week ending 20th October 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 20th October 1888 . ..	198 2 6
Corresponding week last year	221 2 9
Decrease	23 0 3

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RESOLUTION ON THE REPORT OF THE COMMITTEE FOR THE MANAGEMENT OF THE CALCUTTA ZOOLOGICAL GARDENS FOR THE YEAR 1887-88.

REVENUE DEPARTMENT—MISCELLANEOUS (F.)

Calcutta, the 12th November 1888.

RESOLUTION.

READ—

The Report of the Committee for the management of the Calcutta Zoological Gardens for the year 1887-88.

THE total income of the Gardens during the year under report, inclusive of the Government grant of Rs. 20,000, amounted to Rs. 45,279 against Rs. 47,541 in the previous year, while the expenditure rose from Rs. 40,650 to Rs. 43,992, this increase being due chiefly to the comparatively heavy outlay incurred in the purchase of several valuable animals from the menagerie of the late King of Oudh. Of the advance of Rs. 5,000 sanctioned by Government for this purpose, a portion only, viz. Rs. 1,487-11, was drawn, the greater part of the cost being defrayed from the ordinary resources at the disposal of the Committee.

2. The income derived from donations and subscriptions fell to Rs. 1,030 only as against Rs. 5,989 in 1886-87, when, however, the figure reached was, owing to the munificent gift of Rs. 5,000 made by the Nawab of Moorshedabad, unusually high. The entrance receipts amounted to Rs. 8,294 against Rs. 7,140 in the previous year, and the receipts from the other sources, detailed on the margin, aggregated Rs. 7,684 against Rs. 7,295 in 1886-87.

Rents, Rs. 2,226; carriages and horses, Rs. 556; boats and palkies, Rs. 627; and miscellaneous, inclusive of the percentage on the Fancy Fair and *Fête* collections, Rs. 4,275.

3. The establishment employed in the Gardens cost Rs. 9,809, or Rs. 661 more than in the previous year; feeding, Rs. 9,335; purchase of animals, Rs. 5,211; transport of animals, Rs. 1,449; and construction and repair of buildings and roads, Rs. 13,527. The opening balance of the year was Rs. 6,891, and the closing balance Rs. 1,286.

4. The principal works undertaken during the year were the construction of a snake-pit and rockery at an expenditure of Rs. 2,000, the construction of a deer-kiosk costing Rs. 1,220, and the removal of the peafowl house from the former site, and its reconstruction in a more conspicuous part of the Gardens.

5. The number of visitors to the Gardens who paid entrance fees was 108,041 against 97,099 in the previous year, and against an average number of 127,313 for the six preceding years. These figures are exclusive of a large number of students and children under eight years of age, who were admitted into the Gardens during the year free of charge.

6. The most important additions made in the course of the year were an Indian and a Javan rhinoceros, two Bactrian camels, three Russian bears, a young clouded leopard, and an adult man-eating tiger. The leopard was presented by Mr. C. J. Soltoun, Assam, the man-eating tiger by His Highness the Maharajah of Gidhaur, and the remaining animals were obtained by purchase. Of the presentations made, there were 48 mammals, 79 birds, and four reptiles. As many as 131 presentations were made during the year, a very satisfactory indication of the continuance of public interest in the institution.

7. The acknowledgments of Government are due to the members of the Committee for their efficient management of the Gardens during the year.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengal.

DISTRESS IN KHOORDA.

THE following papers are published for general information.

No. 292TR, dated Darjeeling, the 7th November 1888.

From—P. NOLAN, ESQ., Secretary to the Government of Bengal, Revenue Dept.,
To—The Secretary to the Government of India, Revenue and Agricultural Dept.

WITH reference to the correspondence ending with your letter No. 70—7-8F, dated 18th October 1888, I am directed to submit, for the information of the Government of India, copy of a letter, No. 1961R, without date, from the Commissioner of the Orissa Division, with enclosure, reporting on the administration of relief in the Khoorda sub-division for the fortnight ending 30th September 1888. The reports indicate that the condition of the people in the affected area improved during the period to which they relate, but that there was reason to apprehend a failure of the next rice crop. I am, however, to observe that there has been good rain during the last few days all over South Orissa, which has now extended also to Cuttack and Balasore As the Lieutenant-Governor is about to visit Orissa, further comments are unnecessary.

No. 1961R, dated Cuttack, the   October 1888.

From—C. F. WORSLEY, ESQ., Commissioner of the Orissa Division,
To—The Secretary to the Government of Bengal, Revenue Department.

IN accordance with paragraph 9 of the Famine Code, I have the honour to submit copy of a report noted in the margin from the Collector of Pooree on the administration of relief in Khoorda sub-division for the fortnight ending 30th September 1888.

No. 6T, dated 18th October 1888.

2. There was a marked improvement in the condition of the people in the affected area during the fortnight under review, and at the present time the distress caused by the long drought in June and July may be said to be practically at an end. There are, however, a few sporadic cases of indigence, chiefly among children, in which some help is still required in the way of food.

3. From the 10th to the 19th instant, I was on tour with the Collector in Khoorda sub-division, and we visited portions of the three circles (Nos. I, II, and III) which have not yet been closed. From the appearance of the people I should have concluded that there had been nothing unusual in the season; and after passing through many villages and observing the well-built houses of the cultivating classes, and their gardens and enormous herds of cattle, I was able to understand how, in spite of short harvests in two successive years, and of the large losses of rice seedlings three months ago, they had needed so little assistance. The ryots of the Khoorda Estate are in fact as substantial a body of tenants as I have ever seen; and considering the low rents which they pay, it would be strange if their condition were otherwise than good. It was manifest to me that the recent distress must (as maintained all along by the local officers) have been confined almost entirely to the landless labourers. The resources of the cultivators, as described by Mr. Taylor (*vide* paragraph 4 of the Collector's report), are very different from those of an average Behar ryot in the rainy season.

4. In the course of my tour, I also visited Kalapathar village in the south-west corner of Banki Estate. Among the inhabitants of that village, I saw no signs of distress, but some 40 or 50 persons, mostly old men and women and young children of the aboriginal classes, were produced before me from neighbouring villages, who were greatly reduced and in need of charitable relief, which they were receiving. The total number of persons employed on improvement works or receiving charitable relief in Banki Estate was, I understood, less than a thousand, and I have not thought it necessary to call for fortnightly reports from the Collector of Cuttack.

5. Unfortunately, however, we have no sooner got rid of the consequences entailed by a failure of the July rains than we are threatened with another drought of a far more serious nature. The long break in the rains, or (as is feared by some) their premature cessation, is causing the utmost anxiety and alarm not only in each district of the division, but in many of the Tributary States. The sarad rice crop, which is the principal crop in Orissa, is generally backward this year, and requires the full average rainfall of October; but up to this date scarcely one-third of that average has fallen anywhere; while in many places there has been little or no rain at all. At Khoorda itself there has been only 0 57 against an average rainfall of 6·80 inches in October. From all I can learn, I believe that good rain within the next ten days will secure a fair crop, and that without rain the plant on the high lands, where not irrigated, will be lost. What proportion of the cultivation is low or irrigated land, or what outturn may be expected in the absence of rain, cannot now be estimated: but detailed enquiries on these points will be made from the beginning of next month if rain does not fall in the meantime.

6. The want of rain has not yet had much influence upon the prices of food-grains, and the extraordinary low price of mandia or marua, which ranges in Khoorda sub-division from 46 to 52½ seers per rupee, seems to show that there is plenty of cheap food to be purchased in the tracts where distress has recently been most felt.

7. I enclose a map showing the parts of Khoorda sub-division in which charitable relief was discontinued in the second half of September 1888.

No. 6T, dated Camp, Chandka, the 18th October 1888

From—D. B. Allen, Esq., Officiating Collector of Pooree,

To—The Commissioner of the Orissa Division.

I have the honour to submit the report required by the Famine Code for the fortnight ending the 30th ultimo. Mr. Taylor's report for this period was submitted to me yesterday. He attributes the delay to his having had to wait for details of persons employed on some of the improvement works. I do not propose to forward this report *in extenso*, though it is a full and interesting one, as the diminution in distress alluded to in my last report continued during the fortnight under review.

2. During the fortnight I visited the South Chilka tracts, and every circle in the sub-division. The Inspectors of the Banpur and Rameswar Circles were sent back to their regular duties, and relief operations were entirely closed in the former and much restricted in the latter circle, which was put in charge of the Inspector of Police. With the exception of the Banpur Circle, the affected area has remained the same as before, but there has been a decided reduction in the portion of the population affected, and in the amount of relief that it has been necessary to afford.

3. The result of the cyclone of the 15th and 16th ultimo, which gave over six inches of rain at Khoorda, was decidedly beneficial. Mr. Taylor writes that "though a great many trees were uprooted in the north-east and north-west circles, the crops did not suffer except in the case of small areas of biali and mandia, which were ready for the sickle." Pân baris and household gardens were also somewhat injured; "but in all the other circles of Khoorda no damage worth speaking of was done by the cyclone. Everywhere on the estate the copious rainfall did incalculable good to the backward rice crops, and the improvement in the dhan all over the estate, and specially in the western circle, is far beyond what I could have believed possible. In no village do I think the loss will exceed 8 annas, and in a great many villages 12 to 16 annas crop may be looked for if we get some more rain during the current month." Unfortunately the rainfall during the current month has been unusually scanty, and unless rain falls generally within the next few days, the outturn estimated by Mr. Taylor will, I fear, prove to be excessive. The rain gauge at Khoorda registered the fall from the 15th to 30th at 7 52 inches, but at Banpur there was only 2·9 and in Chandka only 1·2 inches.

4. Speaking further of the general state of the affected tracts, Mr. Taylor writes: "As may be imagined, this favourable turn taken by the crops has greatly reduced the distress, not that the classes who are getting relief have any crops to gather, but the improved prospect has given confidence and heart to the people generally. The mahajan is now lending grain, and the purse strings of private charity have to some extent been loosened. Ryots will now give a handful of rice or some rice-water to their poorer neighbours, or employ them on pounding rice, thatching and other little jobs.

"Another thing which has affected the distressed classes favourably is that they all, as well as the substantial ryots and other residents, have some bari or garden land in their homesteads, and this year every bari has been literally crammed with vegetables and other articles of food, such as maize, mandia, jawar, &c. Since I have been at Khoorda, I have never observed so much garden cultivation as there is this year.

"The suan crop is over, but many persons have collected and kept a store, and chakunda sag (*cassia-tara*) is still available as a pot herb, though the leaves are now too old and not so

nutritious as before. Some wild fruits, such as paniala (*flacour tiaca ta phacta*), &c., can also be gathered in the jungles, and with guavas and custard-apples supplement the food-supply.

"Another very important source of food-supply since the cyclone has been fish. Millions of little fishes of various species come from the tanks, jheels, nallas and rivers into all the paddy fields after heavy rains. These are fished for daily by all classes of the people, and even little children can catch a good feed of fish.

"The result of all this is very satisfactory, especially to the very poor, and there is a marked improvement in their physique. In villages where, when relief operations commenced, there were, say, 30 or 50 wretched creatures, mere skin and bone, there are now perhaps five or six, chiefly children, who still require some help in the way of food. In many villages no further gratuitous relief is necessary." The public health continues to be as good as usual at this season of the year.

5. The number of public works open in or near the affected tracts are reported by Mr. Taylor as follows:—

(*a*). Road work under the District Board, metalling, petty repairs and constructions.

1.	Khoorda and Kalapathar road	18 miles.
2.	Bagmari and Bolegur road	16 „
3.	Chandka to Sardeipur *viâ* Khandgiri and Bhubaneswar ...	17 „
4.	Tikatab and Kaduaberni road (new work)	6 „
5.	Khoorda and Patnaika Road	8 „

Under the Khoorda Local Board from money advanced from the Improvement Fund.

6.	Bhalıabari and Bengitangi village road	3 miles.
7.	Kararmal and Bajpur village road	2 „

(*b*). Repairs and metalling along the whole length of the Cuttack and Ganjam Trunk Road, 73 miles, under the Executive Engineer, Pooree Division.

Repairs to the Koakhai and Dya river embankments under the Executive Engineer, Pooree Division.

(*c*). Nil.

(*d*). Twelve petty works were opened by the Maharani of Pooree in the Ikhsajat villages of Rameswar and Tapang during the month of September, and 29 works under the Khas Mehal Improvement Fund have been opened in addition to the 110 works mentioned in Mr. Taylor's No. 531 of 8th ultimo.

6. Under clauses 4 and 5 of section 9 of the Famine Code, Mr. Taylor gives figures for this and the previous fortnight, which I now reproduce.

"*Charitable Relief.*

"(*a*). Persons relieved through Government agency for the fortnight ending 15th September 1888:—

	Men	Women.	Children	Total
"North-east Circle ..	4,110	4,903	8,222	17,235
"North-west do. ..	479	955	1,760	3,194
"West do. ..	996	1,047	2,390	4,436
"Rameswar do. ..	452	380	737	1,569
"Banpur do. .	1,192	1,171	2,795	5,158
"Total ..	7,229	8,456	15,907	31,592
"Daily average ...	482	564	1,060	2,106

"For the fortnight ending 30th September 1888—

	Men	Women.	Children	Total
"North-east Circle ...	756	1,170	1,978	3,904
"North-west do. ...	395	750	1,330	2,475
"West do. ...	834	1,108	2,281	4,223
"Rameswar do. ...	769	1,008	1,996	3,773
"Banpur do. ...	60	107	225	392
"Total	2,814	4,143	7,810	14,767
"Daily average ...	188	276	521	985

"The very large reduction in the number of persons relieved during the second fortnight is due to the reductions made by circle officers under the orders received, to the rainfall of the 16th September, which gave ample field work all over the estate, to the increase to the poor of food-supply as noted in paragraphs 3 and 4, and to the number of works opened for those who could not before get work, and which enabled the stronger members of families to contribute towards the support of their families.

"The numbers given do not, however, represent the actual number of persons on the lists of charitable relief, but show the number of daily, weekly or half-monthly doles given. By dividing the figures by 3, an approximation will be obtained to the actual number of persons on the lists.

"(*b*). Persons relieved through private agency—

"Four hundred and seventy-eight families living in 14 villages of the Ikhsajat mehal were relieved by the agent of the Maharani of Pooree at a cost of Rs. 59-4-3 during the month of September 1888.

"The number of persons employed on works opened by the District Board during the last fortnight of September was 2,612 men, 439 women, and 704 children.

"The number of persons employed on works carried out by the Maharani of Pooree was 2,270 men and 179 children.

"Number of persons employed on khas mehal improvement work for the fortnight ending 15th September 1888:—

	Men.	Women	Children	Total
"North-east Circle ...	12,900	1,410	5,590	19,900
"North-west do. ...	479	955	1,760	3 194
"Western do. ...	3,078	297	1,021	4,396
"Rameswar do. ...	4,526	264	2,163	7,253
"Banpur do. ...	784	......	223	1,007
"Total ..	21,767	2,926	11,057	35,750
"Daily average ...	1,451	195	737	2,3 3

"For the fortnight ending 30th September 1888—

	Men.	Women	Children	Total
"North-east Circle ...	4,948	......	42	4,990
"North-west do. ...	395	750	1,330	2,475
"Western do. ...	1,861	187	463	2,511
"Rameswar do. ...	4,140	120	610	4,870
"Banpur do. ...	376	......	96	472
"Total ..	11,720	1,057	2,541	15318
"Daily average ...	781	70	170	1,021
Monthly total ...	33,487	3,983	13,598	51,068
"Average ...	1,116	132	451	1,702

It will be seen that there was a satisfactory reduction during the last fortnight in the numbers receiving gratuitous relief, and I have satisfied myself by personal enquiries that all Circle Inspectors are now restricting the distribution of such relief to the minimum amount necessary to prevent death from starvation.

7. The number of persons employed on works is comparatively few. This is mainly due to the fact that up to the end of September field work for nearly all capable of labouring was available all over the sub-division, and the rate of wage paid on these works was as a rule fixed at a point that would not attract labourers, who could obtain ordinary work in the fields. In the South Chilka tracts the number of persons relieved gratuitously during the fortnight was only 87, while those on works were 1,038, of whom 17 were boys. Judging from the Inspectors' reports, I directed the close of operations in this area from the 1st instant, but the break in the rains will, I fear, necessitate the re-opening of relief works on a small scale. However, I am confident that Baboo B. M. Mukerjee will not incur any expenditure that is not absolutely essential for the purpose of saving life.

8. Under clause 6, Mr. Taylor writes: "Only Rs 2-7 was paid to females at Jajarsingh for spinning cotton, Rs 25 was advanced for cotton to Gobind Mangraj, and Rs. 21 was advanced to weavers for carrying on their trade." Nothing has been done at Satpara under this head.

9. Under clause 7, Mr. Taylor reports: "The stock of grain in the estate is sufficient, and the mahajans have been lending paddy and selling for cash, and from Banpur and Kuhuri there has been export of dhan to Ganjam at 10 and 11 rupees per bharan of 80—4 seer gounies in former—and Rs 23 8 per bharan of 8-seer gounies in the latter place.

"The following prices for food-grains and salt prevailed in the several circles as reported by Circle Inspectors, canoongoes, and police during September. The figures given are in seers of 80 tolahs per rupee:—

North-east Circle.

	Seers.		Seers.
Biali paddy ...	48	Birhi	$17\frac{1}{16}$
Rice ...	$18\frac{6}{16}$	Ghee	1
Saradh paddy, old	33	Salt	11
Moong ...	$17\frac{1}{16}$	Mandia	$47\frac{1}{2}$

North-western Circle.

	Seers.		Seers.
Paddy	36	Kalai	$17\frac{1}{16}$
Rice	$18\frac{6}{16}$	Salt	11
Moong	$17\frac{1}{16}$	Mandia	$47\frac{1}{2}$

Western Circle.

		Seers		Seers.		Seers.		Seers.
Paddy	...	28	to	36	Kalai	13	to	16½
Mandia	...			36⅔	Urhar			14
Rice	...	15¾	to	18$\frac{1}{16}$	Salt	10½	to	18
Moong	...	15	to	20				

Rameswar Circle.

			Seers.		Seers.
Paddy	...	...	36	Kalai	17$\frac{1}{16}$
Rice	..	...	18$\frac{1}{16}$	Salt	10
Moong	..	...	17$\frac{1}{16}$	Mandia	45$\frac{13}{16}$

Banpur Circle.

			Seers.		Seers.
Rice	...	...	15$\frac{12}{16}$	Urhar	15$\frac{14}{16}$
Paddy	...	...	42	Salt	10
Moong	...	.	21	Mandia	52½
Kalai	...	.	15$\frac{14}{16}$		

South of the Chilka, stocks were sufficient and prices reasonable up to the end of the last month. Since then there has been a scarcity of grain in the markets, but measures are being taken to prevent any serious consequences arising from a failure of the local supplies.

10. The financial statement clause 8 is given by Mr. Taylor for the whole month of September, and as his figures for the last fortnight were apparently not quite accurate, I give a summary of his accounts for the whole month.

A.—Receipts—

Under the Agriculturists' Loans Act, the amount sanctioned was Rs. 90,000. Of this, Rs 65,000 had been made over in previous months, and Rs. 20,000 in September. Under the Khas Mehal Improvement Fund of Rs. 28,372 sanctioned for Khoorda, Rs. 15,000 had been drawn in previous months, and Rs. 5,000 in the month under review. Under gratuitous relief, Rs 15,000 were sanctioned. The whole of that sum has been drawn by Mr. Taylor, but he probably will not require the full amount, and the balance will more than cover the small expenditure under this head by the Inspector of the South Chilka area. Of private subscriptions, there is no account, except the Rs. 1,000 advanced by the Maharani of Pooree, but no doubt a good deal of help has been given in a small way by the more substantial ryots to their poorer neighbours.

11. *B.—Expenditure—*

(*a*). On charitable relief, the actual expenditure up to the end of August has now been found to have been only Rs. 8,302. During the first fortnight of September, there was a further expenditure of Rs. 3,261, and during the second fortnight Rs. 1,487. This was distributed over the five circles of the sub-division as follows:—

		First fortnight			Second fortnight		
		Rs.	A.	P.	Rs.	A.	P.
North-east	Circle	931	14	9	578	12	1½
North-west	Do.	555	4	1	289	1	9
Western	Do.	447	1	0	438	1	6
Rameswar	Do	399	10	0	165	0	0
Banpur	Do.	927	9	9	16	11	0
		3,261	7	7	1,487	10	4½

(*b*) During the month of September, Rs. 3,338-1-6 was advanced for works by Circle Inspectors and Mr. Taylor. Rupees 112-10 was paid for old works on adjustment of accounts, and Rs. 204-13-6 was laid out in the purchase of tools.

Rupees 9,953 was advanced to 3,155 ryots during the month under the Agriculturists' Loans Act, of which Rs. 3,157 was advanced during the fortnight ending 30th September.

12. Besides the above a sum of about Rs. 1,000 has been expended as travelling allowance, carriage of grain, feed of elephants, &c, &c., of which the accounts have not yet been properly adjusted. In the Chilka tracts, the expenditure on gratuitous relief and works up to 30th September has amounted to only Rs. 675.

13. *C.—Balance in hand—*

(*a*) Gratuitous relief, Rs. 1,714-13-3½, of which Rs. 1,141-11-7½ are in the hands of Circle Inspectors, plus value of dhan and rice to be realized, say, Rs. 2,000.

(*b*) Improvement works, Rs. 5,077-2-4, of which Rs. 938-10-6 are in the hands of circle officers, and Rs. 8,372 not yet drawn—total Rs. 13,449-2-4.

(*d*) (2). For tuccavi advances Rs. 15,193-8.

14. As regards future requirements, Mr. Taylor now writes that "as the Commissioner has promised to sanction any sum really required for relief in excess of the Rs. 15,000 already received, I will not at present ask for more money, as I now hope that nearly all expenditure will be covered by the Rs. 15,000 originally granted." This is the view that I expressed in my last fortnightly report. Of course, if there be no more rain, there may be a fresh outbreak of distress, and no doubt there have been within the last few days grave apprehensions expressed all over the sub-division of the ultimate fate of the bulk of the winter paddy, but the crop is at present safe, and the distress of August and September is practically at an end. Whether we shall have a renewal of distress hereafter, time alone can show. So far prospects, though critical, cannot yet be described as alarming; but unless rain comes soon, we must anticipate a partial failure of the winter paddy crop. Meanwhile a plentiful crop of mandia is now coming into the market, and is being sold at a remarkably cheap rate. A good deal of high land has been sown down with kulthi, kalai, and other rubbi crops, and the fields, where an early rice crop has been harvested, are also being cultivated in many places for a second crop.

15. As regards deaths from starvation, further enquiries have shown that many of those originally reported as due to that cause were really not owing to the recent distress. I am having a statement prepared showing the result of enquiries made into each reported case of death from starvation, and, when complete, it will be forwarded to your office. A map is sent herewith.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 10*th November* 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.	*Western Districts.*		
BURDWAN DIVN.			
1	Burdwan Nov. 10, '88 Culna ... Cutwa ... Raneegunge ...	0·50 Nil Nil 0·07	Weather—a sharp shower and cold wind yesterday (9th), otherwise rather warm for the season of the year. The rain is too late to do much good, and only an 8-anna crop can be expected. The price of rice is slightly lower than the price to which it rose two or three weeks ago.
2	Bankoora „ 10, '88	Nil	Weather hot and cloudy. *Haimanti* rice expected to be 10 annas in the Sudder and 8 annas in the Bishnupore sub-division. Prospects of *rubbi* getting worse. Price of coarse rice in the Bankoora market 18½ seers per rupee.
3	Birbhum „ 10, '88	0·46	Weather—still warm for the season. Benefit has generally resulted from the rainfall of the 9th. In the Rampur Hât sub-division the estimate of the *amun* crop is 10 annas.
4	Midnapur „ 10, '88	Nil	Weather—cloudy, but no rain. The crops would be little improved if rain were now to fall. The loss in the west of the district will probably be from 2 to 6 annas. Price at head-quarters 16 seers the rupee for coarse rice.
5	Hugli „ 10, '88	0·27	Weather—hot for the season; cloudy throughout the week; rain fell only yesterday (9th). Paddy has suffered much from drought, especially in Jehanabad sub-division. Yesterday's rain may do some good. Rice is selling at Rs 3 to Rs 3-11 per maund.
	Howrah „ 12, '88	Nil	Weather—seasonable. Rain badly wanted. Crops suffering.
	Central Districts.		
PRESIDENCY DIVN.			
6	24-Perghs.	Nil	Report not received.
7	Nuddea Nov. 10, '88	Nil	Weather—clouded over generally and hot. Rain badly wanted for late rice and *rubbi* in all parts of district. *Amun* rice in low lands of Meherpore do[illegible] fairly well. Present prospect of crops bad.
8	Khoolna „ 10, '88	Nil	Weather—warm for the time of year. Rain wanted for the winter rice; there will be a loss of outturn from drought.
9	Jessore „ 10, '88	Nil	Weather cloudy. Rain badly wanted for the standing crops. Price of rice rising.
10	Moorshedabad „ 10, '88 Lalbagh Kandi	1·58 1·58 0·12	Weather—beginning of the week cloudy at times. A shower of rain on the 9th morning. Bright and clear from afternoon of 9th. Rainfall of the 9th will benefit the standing crops much. *Rubbi* still being sown.
RAJSHAHYE DIVN.			
11	Dinagepur „ 10, '88	Nil	Weather—seasonable. Prospects of winter rice bad; outturn expected to be 6 annas. Sugarcane promising well.
12	Rajshahye „ 10, '88	Nil	Weather—cold. Rain wanted for *amun* paddy as well as for *rubbi* crops. *Ganja* crop also requires rain. Prospects are worst in Manda thana. Average price of rice 15 seers per rupee; 16½ seers in the town of Beauleah.
13	Rungpur „ 10, '88	Nil	Weather—seasonable. Prospects of *amun* rice continue bad everywhere except in the Kurigram sub-division, where they are fair. The sowing of cold-weather crops continues. Prices of food grains rising.
14	Bogra „ 10, '88	Nil	Weather—seasonable. *Amun* in low lands is in ear. Rain much wanted. Transplanted *amun* withering in places. *Til* bearing pods. Mustard and *maskalai* growing.
15	Pubna „ 10, '88	Nil	Weather—cloudy and warm. Rain is much needed for all crops. *Amun dhan* and sugarcane now seem better.
16	Darjeeling „ 10, '88	Nil	Weather—fine and cold, but unusually misty. In the plains the high land rice is said to be dying, and low land rice not developing well. In the hills rain is much wanted. Prices rising.
17	Julpigoree „ 10, '88	Nil	Weather—nights and mornings cool, days rather warm, cloudy for the last two days. There is no change in the prospects of *amun* paddy, but rain may yet improve its condition. Prospects of other crops good.
	Eastern Districts.		
DACCA DIVN.			
18	Dacca Nov. 10, '88	Nil	Weather—fine and seasonable. Winter crops are being sown. Early *amun* being harvested. Late *amun* has commenced to ripen. Prospects good. Rain wanted.
19	Furreedpur „ 10, '88	Nil	Weather—cloudy in the beginning of the week, now bright. Early *amun* being harvested. All crops on the ground suffering for want of rain.
20	Backergunge „ 9, '88	Nil	Weather—seasonable. Prospects of crops fair. The winter rice is suffering for want of rain.
21	Mymensingh „ 9, '88	Nil	Weather—seasonable. Prospect of crops good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
	BENGAL—*concluded.*		
	Eastern Districts—concld.		
	CHITTAGONG DIVN.		
22	Chittagong ...	...	Report not received.
23	Noakholly Nov. 9, '88	Nil	Weather—seasonable. *Rajasail* paddy being reaped. Rain wanted for *amun* paddy. Sowing of *rubbi* crops commenced.
24	Tipperah „ 8, '88	Nil	Weather—seasonable. Prospects of standing crops still favourable, but a good shower of rain appears to be indispensably required to enable the *dhan* plants to come up strong in ear. Lands are being prepared for the cultivation of *rubbi* crops, and mustard seed and other seasonable crops are being sown here and there.
25	Chittagong Hill Tracts. „ 6, '88	0·06	Weather—cloudy in the morning and evening throughout the week. Gathering of cotton commenced in some places; prospects not good. Paddy in low lands still flowering in some places; rain much wanted; prospects not good.
	Hill Tipperah „ 7, '88	Nil	Weather—not settled; cloudy. Chillies and tobacco being transplanted. Prospects of *amun* paddy, *til* and cotton fair.
	BEHAR.		
	PATNA DIVN.		
26	Patna „ 10, '88	Nil	Weather—days hot, mornings and evenings cool. *Rubbi* sowings progressing, but rain most urgently wanted. The Sub-divisional Officer of Behar reports that the paddy plants are being cut for fodder for cattle. Prices of food-grains rising.
27	Gya „ 10, '88	Nil	Weather—cool. About 8 annas of paddy crop destroyed for want of rain. Sowing of poppy is going on. Sowing of *rubbi* is being delayed for want of moisture in the soil.
28	Shahabad „ 10, '88	Nil	Weather—fair; mornings and evenings are cool. Paddy crop is fast withering for want of rain, except on canal-irrigated lands. *Rubbi* is being sown only on low lands; elsewhere sowing is practically stopped owing to absence of moisture. Prospects of this crop are gloomy. Sowing of poppy crop has commenced; prospects are reported to be unfavourable, and there will be difficulty in getting the full area sown in consequence of the want of moisture. Prices very high.
29	Durbhanga „ 10, '88	Nil	Weather—clear; getting cool. The high land rice crops in the north-western part of the Madhubani sub-division and some places in the Sudder sub-division are being cut for fodder. *Rubbi* sowings slowly going on where there is moisture in the land. Prices almost stationary.
30	Mozufferpur „ 10, '88	Nil	Weather—days hot; nights cool. *Rubbi* sowings progressing, but retarded in many places for want of sufficient moisture, and the young plants are suffering from the same cause. In parts of Sitamarhi paddy being cut for fodder. Prices rising. The price of common rice varies throughout the district from 11 to 14 seers, and of *makai* from 16 to 22 seers per rupee
31	Sarun „ 10, '88	Nil	Weather—warm generally; cloudy but no rain. Sowing of *rubbi* and poppy in full progress. Rain urgently wanted.
32	Chumparun „ 10, '88	Nil	Weather—cold. Paddy ripening. The upland crop, where irrigation was impossible, has failed. *Rubbi* sowings still in progress. Rain much wanted for poppy sowing.
	BHAGULPORE DIVN.		
33	Monghyr „ 10, '88	Nil	Weather—seasonable; getting cool. Paddy crop on high lands almost wholly gone in places, and *rubbi* sowings still retarded for want of rain. Price of rice going down a little.
34	Bhagulpur „ 10, '88	Nil	Weather—too cloudy and hot for the season. Owing to irrigation, the late rice in the Supool sub-division is coming on better than was expected, and may yet yield an outturn of 6 annas. Over the rest of the district it may be half an average crop, and is best in Madehpura. *Rubbi* sowings still very backward. Prices easier.
35	Purneah „ 10, '88	Nil	Weather—bright and clear and sun very powerful. Not a sign of the rain so long looked for and so much wanted. There is no improvement in the previous prospect that the outturn of the *aghani* crop will not exceed 8 annas in any part of the district, and will probably not exceed 4 or 5 annas in some parts. Common rice 11 to 14 seers per rupee.
36	Maldah „ 10, '88	Nil	Weather—cool and generally fine, but occasionally cloudy. The continued drought has greatly injured the prospects of the rice crops. In some parts they are being irrigated, but the outturn will not exceed 8 annas on the whole, and will probably be less. Prices are, however, easier, and common rice is now selling at an average of 17 seers per rupee. The prospects of spring crops are generally fair, but in some places these too have suffered for want of rain, and to a small extent from insects.
	Sonthal Perghs. „ 10, '88	0·16	Weather—winds variable; cloudy; clouds going off. The rice crops in Doomka, Deoghur and Jamtara will be very good; in Pakour and Godda fairly good; and in Rajmehal about 8 annas of rice sown on high land will suffer. Grubs are appearing in Rajmehal, and *rubbi* sowings need rain. Prices beginning to fall.
	ORISSA.		
	ORISSA DIVN.		
38	Cuttack „ 9, '88	1·63	Weather—hot and cloudy at times. The rainfall during the week has benefitted the crops considerably and removed much of the apprehension which has hitherto prevailed. The high land paddy has suffered even as it is, but prospects are decidedly brighter, and prices shew a tendency to fall.
39	Pooree „ 8, '88 Khoorda ...	7·09 5·48	Weather—cloudy and rainy. The late rain has been favourable to the winter rice (late *sarad*) crop. No more rain is wanted for the present crop. Early *laghu* is being reaped in some places. Common rice 16 seers 14 chittacks per rupee in the Sudder sub-division, and 13 seers 12 chittacks in the Khoorda sub-division.
40	Balasore „ 9, '88	0·11	Weather—hot and cloudy. There having been very little rain during the week, prospects of crops continue on the whole unfavourable, except within the jurisdictions of thanas Soroh and Chandbali, where a good fall is reported. Prices continue same as last week.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
CHOTA NAGPORE.				
South-West Frontier Agency.				
41 (Chota Nagpore Divn.)	Hazaribagh	Nov. 9, '88	Nil	Weather—rather unsettled, cloudy Rain wanted for *rubbi* crops Paddy on high lands being reaped. A 12-anna outturn of the entire crop expected
42 (Chota Nagpore Divn.)	Lohardugga	" 10, '88	0·06	Weather—cloudy Slight rain during the week at head quarters. It is badly needed for *rubbi* sowing. Prospect of winter paddy not favourable. Prices have a tendency to fall.
43 (Chota Nagpore Divn.)	Singbhoom	" 9, '88	0 62	Weather—early part of week cloudy, rain on 6th and 7th, at present fine with sunshine The two days' rain has benefited the *rubbi* crops and done no damage to the *dhan*, the prospects of which are as previously reported.
44	Manbhoom	" 10, '88	Nil	Weather—cloudy. Reaping of paddy going on. Probable outturn 6 to 12 annas Crops damaged everywhere more or less for want of rain Coarse new rice selling at 18 seers the rupee in the Purulia market.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 13th November 1888.

P. NOLAN,
Secy to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of July 1888.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS. Rice and Paddy. Rice.	Paddy.*	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	FIBROUS PRODUCTS. Jute, raw.	Gunny bags.†	OIL-SEEDS. Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR. Drained.	Undrained.	TOBACCO. Manufactured.	Unmanufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
BENGAL.																		
Burdwan	66,426	2,036	67,099	4,745	8,491	...	80,935	...	5,735	4,387	...	...	30	97	...	...	...	9
Beerbhoom	4,770	...	4,770	714	393	...	5,877	...	5,110	675	...	...	...	477	...	...	...	...
Midnapore	2,28,138	14,004	2,30,891	407	805	...	2,38,103	...	550	5,590	...	...	73	299	4	855	32	18
Hooghly	35,443	3,086	37,934	9,093	13,924	607	61,558	3,404	324,000	19,838	831	...	542	323	1,287	26,197	10,894	77
24-Pergunnahs	1,40,227	20,600	1,53,158	45	298	84	1,53,585	611	220,835	989	1 0	2	3,570	...	5,718	18,480	4,830	216
Nuddea	10,911	826	11,137	27,635	96,800	6,001	1,41,003	1,578	1,300	30,579	1,143	...	2?5	315	235	2,124	1,468	704
Khulna	39,070	10,550	51,289	...	379	...	51,668	7,713	...	1,234	1,069	...	...	...	1,875	7,498	...	...
Jessore	32,354	8,826	37,870	1,984	16,713	...	56,567	700	385	15,699	1,725	...	11	...	275	23,587	1,214	781
Moorshedabad	6,776	...	6,776	16,354	35,926	937	59,993	1,233	100	17,151	572	...	6	413	...	24	...	...
Dinagepore	15,429	469	15,722	...	700	...	16,422	1,235	27,965	135	...	...	...	...	...	...	...	...
Rajshahye	2,728	...	2,728	3,883	10,285	17	16,913	1,171	1,815	7,275	957	...	...	340	56	...	...	...
Rungpore	...	...	...	10,662	68	...	10,730	19,610	6,545	...	70	...	183	...	...	...	1,450	24,537
Bogra	42,085	...	42,085	...	...	...	42,085	616	587,825	307	...	...	...	...	...	...	...	...
Pubna	...	...	...	4,426	14,081	...	18,507	1,15,189	...	18,507	2,?98	...	...	...	...	...	4,934	1,125
Darjeeling	...	...	...	...	...	...	...	103	140	...	...	15,866	...	...	...	...	...	114
Julpigoree	...	...	...	...	...	...	...	219	53,130	...	...	8,638	...	...	...	...	202	313
Dacca	1,191	863	1,730	3,237	9,527	...	14,494	25,972	1,750	2,845	3,908	...	9,376	...	...	...	282	...
Furreedpore	30,153	400	30,403	3,617	2?,137	57	55,214	1,09,870	105	20,570	4,841	466	1,048	357	...	...	...	...
Backergunge	2,19,267	1,050	2,19,923	...	2,250	...	2,22,173	2,985	210	975	790	...	...	...	...	...	...	...
Mymensingh	500	442	776	2,047	761	...	4,484	861	1,000	1,730	1,447	...	...	...	...	...	...	...
Tipperah	14,925	...	14,925	...	...	...	14,925	...	...	...	400	...	...	...	...	...	...	...
Chittagong	1,590	...	1,500	...	...	...	1,509	...	...	...	...	1,783	1,065	...	...	...	...	...
Noakholly	49,218	700	49,656	...	...	...	49,656	...	...	350	...	...	4,100	...	...	...	...	...
Total of Bengal	9,41,121	73,841	9,87,272	89,849	2,32,628	7,703	13,17,452	2,93,020	1,239,580	1,48,800	10,989	26,755	21,13?	2,621	9,400	78,755	25,206	27,888
BEHAR.																		
Patna	4	...	4	1,04,124	41,099	4,196	1,49,423	2,027	3,535	2,52,851	14,909	...	9	41	3,280	13	448	1,100
Gya	...	...	...	6,862	...	...	6,862	...	420	6,566	...	...	...	2	...	2	...	48
Shahabad	...	...	...	79,493	4,176	...	83,669	...	1,155	21,410	400	...	...	...	...	413	...	...
Mozufferpore	5	...	5	...	6,200	...	6,205	...	140	13,414	...	...	...	...	...	...	515	...
Durbhunga	...	...	...	4,238	7,610	...	11,848	...	175	64,867	2,669	...	...	...	...	...	114	63
Sarun	...	...	...	7,625	553	...	8,178	...	215	17,706	10,414	...	2	...	...	...	20	...
Chumparun	...	...	...	1,654	581	...	2,235	...	...	12,335	1,187	...	...	...	...	...	...	...
Monghyr	837	...	847	31,926	12,300	...	45,063	...	640	11,615	2,086	...	100	...	...	...	...	39
Bhagulpore	108	...	108	55,578	20,238	3,506	79,430	149	2,550	18,318	10,467	...	12	23	...	...	349	...
Purneah	1,658	...	1,658	5,852	10,197	...	17,707	25?	1,800	4,811	5,911	...	...	...	...	...	5,173	...
Maldah	...	...	...	19,830	12,675	120	32,625	1,?01	...	7,600	225	...	...	...	...	...	...	...
Sonthal Pergunnahs	2	...	2	49,970	28,957	...	78,929	...	875	10,756	700	...	1	306	...	...	...	...
Total of Behar	2,614	...	2,014	3,97,172	1,44,586	7,822	5,22,194	4,510	11,5?5	4,45,?79	49,058	...	124	462	3,280	428	6,610	1,349
ORISSA.																		
Cuttack	...	...	...	200	123	...	323	...	...	...	...	...	...	...	...	...	...	...
Balasore	39,830	867	40,372	155	1,870	...	42,397	...	3,625	...	...	...	...	54	...	...	23	...
Total of Orissa	39,830	867	40,372	355	1,993	...	42,720	...	3,625	...	...	...	...	54	...	...	23	...
CHOTA NAGPORE.																		
Hazaribagh	...	...	...	...	628	...	628	...	595	...	...	1	...	4	...	...	...	...
Manbhoom	...	...	...	...	...	...	...	...	1,165	...	...	...	...	...	...	...	...	...
Total of Chota Nagpore	...	...		...	628	...	628	...	1,760	...	...	1	...	4	...	...	...	...
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal	9,83,565	74,708	10,30,258	4,57,376	?,79,835	15,525	18,82,994	2,97,530	1,250,480	5,94,079	69,047	26,756	21,263	3,141	12,680	79,183	31,839	29,237
OTHER PROVINCES.																		
Assam	2	450	283	171	...	...	474	...	275	2,268	36,990	1,13,421	3?5	9	...	...	...	...
North-Western Provinces and Oudh	4	...	4	1,51,679	15,912	3,333	1,68,558	...	583	1,91,050	48,543	526	4,213	7	129	105	10	23
Punjab	...	...	...	678	3,592	...	4,270	...	...	...	1,927	539	1,693	...	...	...	...	...
Central Provinces	...	...	...	4,928	...	...	4,928	...	...	...	...	...	...	...	...	...	...	...
Rajputana States	...	...	...	299	...	...	299	...	...	...	682	...	2,013	...	...	...	...	...
Nepal	...	...	...	1,650	...	...	1,650	...	...	1,528	284	...	...	...	...	...	...	...
Bombay	...	...	...	6	...	...	6	...	...	...	...	...	13,991	...	...	...	...	2
Madras	...	...	...		1,092	...	1,092	5	...	...	...	...	957	9	6,124	...	...	223
Burmah	25	...	25	...	...	...	25	...	100	...	...	6	1,892	...	...	...	294	30
Other places	...	...	...	...	42		42	...	400	...	...	...	...	18	4,168	13,044	10	545
Grand Total of Imports in July 1888	9,83,596	75,158	10,30,570	6,16,717	3,98,473	18,858	20,64,618	2,97,535	1,257,040	7,89,525	1,57,473	1,41,248	46,369	3,184	23,101	92,932	32,153	30,009
Grand Total of Imports in July 1887	8,24,054	1,00,213	8,87,587	9,11,213	5,33,967	43,460	23,76,133	3,48,941	1,024,844	8,17,070	3,12,871	1,80,210	48,027	3,553	50,762	57,898	70,799	

* One maund of paddy is equivalent to 25 seers of rice. | † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of July 1888 *was as follows :—*

Exported from Calcutta	Rice.	Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny bags.	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar, Drained.	Sugar, Undrained.	Tobacco, Manufactured.	Tobacco, Unmanufactured.
To Indian ports, viz.—																		
Bombay	1,13,634	30	1,13,653	...	6,359	15	1,20,027	139	836,000	...	...	1,052	...	...	495	...	...	25
Other ports in Bombay	2,035	...	2,035	...	...	...	2,035	...	103,100	...	...	...	...	...	...	...	...	...
Madras	1,499	...	1,499	39	17,443	2,?08	21,178	4	19,100	...	...	1	...	419	20	...	...	8
Other ports in Madras	50,8?7	4,503	53,711	...	3,008	...	56,719	...	262,200	...	...	...	...	5	...	...	...	1
Burmah	9,1?4	...	9,174	4,410	21,531	203	35,318	...	245,203	...	26	36	63	3	283	314	19,833	278
Other Indian ports	1	...	1	...	1,316	...	1,317	...	24,450	...	...	1	...	...	4?9	26	2,507	131
Pondicherry	...	...	...	123	...	...	123	...	89,000	...	...	...	...	...	...	...	...	...
Total of Interportal trade	1,77,281	4,633	1,89,064	4,572	49,057	2,424	2,36,717	143	1,690,053	...	16	1,090	63	427	1,2?7	340	21,340	443
To Foreign ports																		
United Kingdom	1,11,634	...	1,11,634	4,70,313	67,250	20	6,49,226	24,301	2,014,400	6,93,020	10,726	1,21,258	6,449	185	200	12,589	19	...
Other Foreign ports	8,26,486	3,488	8,28,606	1,23,657	49,676	8,425	10,10,323	19,725	6,545,050	1,59,755	18,323	5,254	15,352	2,003	253	20	4,808	165
Total of Foreign trade	9,38,120	3,488	9,40,300	5,93,870	1,1?,934	8,445	16,59,549	44,026	8,559,4?0	8,52,784	29,049	1,26,512	21,801	2,188	453	12,609	4,917	165
Grand Total of Exports in July 1888	11,15,351	8,031	11,20,364	5,98,442	1,66,591	10,869	18,96,266	44,?29	10,249,503	8,52,784	29,065	1,27,602	21,869	2,615	1,670	12,949	26,757	608
Grand Total of Exports in July 1887	7,64,942	740	7,54,405	11,03,003	2,56,741	10,420	21,25,569	20,790	7,558,562	10,25,935	1,86,611	1,10,409	55,419	1,997	2,540	293	38,764	

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of July 1888.

IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	Food grains: Rice.	Paddy	Wheat.	Gram and pulses	Other food-grains	Fibrous Products: Jute, raw	Gunny bags	Oilseeds: Linseed	Mustard seed	Tea, Indian	Cotton, raw.	Silk, raw.	Sugar: Drained	Undrained	Tobacco: Unmanufactured.	Manufactured.
	Mds	Mds	Mds.	Mds	Mds.	Mds.	No	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds.	Mds.
By country boats	7,72,751	07 370	1,50 987	2 55 974	6,142	48 914	5 24 455	1 51 189	38 415		10 33	417	6 427	51 774	18,496	1,489
" river steamers	8 085	442	28,584	4 513		67,253		35 [illegible]	16 407	1 11,714	3 417	891	75	354	3,798	4
" rail East Indian Railway	27,744	9.0	4 3[illegible] 444	1 00 381	9 816	.	[illegible] 020	5,60 390	87 109	1 008	7 9 3	1 072	2 301	646	361	183
" rail Eastern Bengal State Railway	82,713	484	4,503	34,606	2,906	1,83,365	677 760	42 749	4,991	26,599	5 210	983		19 005	2 337	27 574
" road	53 421	5,066	45	35		598	20 400	86			641		5 076	6 819	6,840	12
" sea	98 883	867	175	3 004		5	4 1[illegible]5			1 781	18 705	81	10,293	13,844	371	607
Grand total of Imports in July 1888	9,83 508	75,158	6 16,717	3,98 478	18,658	2,97,555	1,257 040	7,89,523	1,57 473	1 41 219	38,169	8 184	23 101	92,932	32,159	30 089
Grand total of Imports in July 1887	8 24 954	1,0 ,213	9 11,213	5 85 867	43 466	3 48,041	1,624,844	8,17 070	8,42 871	1 30 210	48 027	[illegible]	51 762	57,593	70,799	

The following Statement shows the Values, Quantities and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of July 1888.

EXPORTS FROM CALCUTTA

Whither exported	Cotton piece-goods: European	Cotton piece-goods: Indian	Cotton twist: European	Cotton twist: Indian	Salt	Gunny bags
	Rs.	Rs	Mds	Mds	Mds	No
BENGAL.						
Burdwan	1,42 947	620	715	870	17 339	34 275
Beerbhoom	78 [illegible] 4	750	1 1	637	7 018	16 110
Midnapore	1 21 291	1 200	2 00[illegible]		44 2[illegible]	6 136
Hooghly	60 16	3 040	43	141	415	37 [illegible]
24-Pergunnahs	1 05 924	9,456	370		11 073	31 166
Nuddea	2, [illegible] 186	[illegible]20	1 587		22 76	2 5 8
Khulna	5 195		47		[illegible] 92	2,625
Jessore	1 01 [illegible]3		106		13 95	2 365
Moorshedabad	65 642	1 450	16	25	7 101	8 3 5
Dinagepore	37 185		46	82	6 820	1 100
Rajshahye	1 2 83		3	425	1 41	14 840
Rungpore	1 46 [illegible]0		82	101	10 516	455
Bogra	70 938		14	78	2 [illegible]	32 111
Pubna	24 0 3		93	184	37 41	1,023
Darjeeling	37 1 0			6	178	
Julpigoree	35 15		6	108	[illegible] 811	
Dacca	4 78[illegible] 4		850	1,043	38 111	18 600
Furreedpore	2 16 708		6 8		24 001	10 605
Backergunge	63,063		1 052		[illegible]2 815	1,540
Mymensingh	57 436			102	[illegible] 38	70
Tipperah					5 1[illegible]	
Chittagong	33 975		46		1 100	3 450
Noakholly					18 [illegible]	
Total of Bengal	26 61 727	17 106	9 910	3 769	[illegible] 133	254 050
BEHAR.						
Patna	83 429	440	111	202	38 [illegible]	234 405
Gya	2[illegible] 1	[illegible]20	[illegible]3	618	10 [illegible]	
Shahabad	1 41 786		4	454	13 444	21 680
Mozufferpore	34 18	2 120	2	44	4 2	1[illegible] 530
Durbhunga	3 10 176	220	10	146	24 5	11 [illegible]
Sarun	80 12	880	35	1 5	[illegible]	17 815
Chumparun	93 807	930		1[illegible]	8 11	13 1[illegible]
Monghyr	[illegible]4 67	3 130	4	4 0	8 131	1 0
Bhaugulpore	30 [illegible]9	110	18	[illegible]45	1 31	6 303
Purneah	1 76 215		[illegible]1	268	5 8 7	1 218
Maldah			8		5 1[illegible]	[illegible] 310
Sonthal Pergunnahs	1 30 058	110	[illegible]00	489	7 [illegible]	17 885
Total of Behar	[illegible]	9 0 0	814	[illegible]31	1 18 11	[illegible] 180
ORISSA						
Cuttack	1 900					
Balasore	66 [illegible] 5		3 814	699	20 351	21 000
Total of Orissa	68 025		3 804	690	20 351	21 000

Whither exported	Cotton piece-goods: European	Cotton piece-goods: Indian	Cotton twist: European	Cotton twist: Indian	Salt.	Gunny-bags
	Rs	Rs	Mds	Mds	Mds	No
CHOTA NAGPORE						
Hazaribagh	[illegible]			91	1,782	1 995
Manbhoom	16 065		17	671	4,158	1,610
Total of Chota Nagpore	38 [illegible]67		17	762	5,940	3,605
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal	86 62 774	26 126	14 635	8 861	4,99,938	744,841
OTHER PROVINCES						
Assam	2 43 717		85	244	52 969	70
North-Western Provinces and Oudh	16 46 14[illegible]	1 18	3 41	542	17,700	231,630
Punjab	6 81 7 1	[illegible]0	790			77,105
Central Provinces	1 4 8		1 3	51		2 030
Rajputana States	38 [illegible]		188			
Nepal						770
Bombay	2 93	110				939,100
Madras	1 54 7 6		1 3 1	198		392,300
Pondicherry	3 0 0					89 000
Burmah	2 31 805	201	6 [illegible]	2 856		[illegible]45 203
Other places	30,817	[illegible] 7 4	24	[illegible] 691	16	6,559,450
Grand total of Exports in July 1888	66 76 827	34 390	21 [illegible]	10 43	5 70,713	11,281,409
Grand total of Exports in July 1887	71 91 160	61 584	2 8[illegible]2	[illegible] 880	7,81 071	9 032,925

The [illegible] Trade of Calcutta in the [illegible] for the month of July 1888 was as follows:—

	Rs*	Rs	Mds	Mds	Mds	No
IMPORTED INTO CALCUTTA—						
From Foreign Ports—						
United Kingdom	1 01 231[illegible]3		1 180		5 03 914	
Other Foreign ports	[illegible]4 16				9 816	4 0
Total of Foreign Trade	1 01 [illegible]		[illegible]		6 [illegible]	400
From Indian Ports—						
Bombay	[illegible]	1 [illegible]	11	16 100	35 603	
Madras	5 8 1	1		147		
Other ports in Madras	1[illegible]					
Burmah	3 3 0	[illegible]				100
Other Indian ports						3 625
Total of Interportal Trade	13 00[illegible]	1 71 [illegible]	11	16 11[illegible]	35 [illegible] 0	1 725
Grand Total of Imports in July 1888	[illegible]	1 4 [illegible]	[illegible]	[illegible]	7 0 38[illegible]	4 125
Grand Total of Imports in July 1887	[illegible]	1 [illegible]	11 [illegible]	[illegible]	8, 0 447	4 [illegible]

* [illegible]

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of July 1888

SPECIFICATION OF ROUTES	Cotton piece goods: European	Cotton piece goods: Indian	Cotton twist: European	Cotton twist: Indian	Salt	Gunny bags
	Rs	Rs	Mds	Mds	Mds	No
By country boats	1 15 917	5,035	[illegible]		2,[illegible]	[illegible]
" river steamers	4 31 [illegible]		[illegible]8	905	57 [illegible]	11 [illegible]
" rail East Indian Railway	36 12 708	13 750	[illegible]	6 [illegible]	1,8[illegible] 17	80[illegible]
" rail Eastern Bengal State Railway	19,00 1[illegible]	220	[illegible] 70	1 348	94 0 8	[illegible]
" road	1,17 264	9 431	[illegible]80	[illegible]3	4 [illegible]	[illegible]
" sea	5,39 015	5 904	5 926	10,153	1[illegible] 3	10 [illegible] 503
Grand Total of Exports in July 1888	66 76 827	34 390	21 25[illegible]	10 451	5 7[illegible] 3	11 [illegible]
Grand Total of Exports in July 1887	71,91 160	61,584	20 822	[illegible] 880	7 81 071	9 032 925

STATISTICAL DEPARTMENT,
The 10th November 1888.

P. NOLAN,
Secretary to the Govt. of Bengal.

Meteorological Report of the Province of

Meteorological Division.	District.	Representative stations.	Air Pressure: Highest, 10 A.M. barometer reading of month.	Air Pressure: Lowest, 10 A.M. barometer reading of month.	Air Pressure: Mean, 10 A.M., for month.	Air Pressure: Mean reduced to sea-level.	Air Pressure: Variation from normal mean.	Temperature: Highest of month.	Temperature: Lowest of month.	Temperature: Mean daily maximum temperature	Temperature: Mean daily minimum temperature.	Temperature: Mean daily temperature.	Temperature: Variation from normal mean.	Humidity: Mean, 10 A.M., humidity.	Humidity: Variation from normal mean.	Cloud: Mean cloud amount, 10 A.M.	Cloud: Variation from normal mean, 10 A.M.	Rainfall.
Orissa.	Pooree	Pooree ..	30·079	29·764	29·944	29·956	—	95·1	69·2	89·4	74·2	81·8	—	77	—	2·1	—	2·72
		Gopalpore ...	30·046	29·756	29·922	29·973	+·056	95·2	67·9	88·7	76·1	82·4	+0·5	60	—	2·3	−1·4	1·63
		False Point* ...	30·071	29·770	29·945	29·966	+·049	94·0	65·0	88·1	72·4	80·2	−0·9	66	−14	3·4	−1·3	2·94
	Cuttack ...	Cuttack ..	30·024	29·738	29·890	29·972	+·048	95·4	67·3	91·7	73·5	82·6	+0·6	58	−18	3·0	−1·3	0·99
	Balasore	Balasore* ...	30·08	29·730	29·918	29·978	+·049	93·4	62·7	88·8	70·9	79·9	−0·3	73		2·0		2·34
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island ...	30·077	29·729	29·936	29·962	+·042	91·7	63·4	87·5	74·9	81·2	+0·1	74	−8	4·3	−0·1	2·04
	Midnapore	Midnapore ..	29·972	29·645	29·823	29·975	+·036	92·3	63·2	90·1	71·0	80·6	+0·4	61		1·1		0·79
	24-Pergunnahs, Howrah and Hooghly.	Calcutta ..	30·090	29·733	29·941	29·963	+·038	91·5	66·7	87·1	73·0	80·2	−0·5	67	−17	2·6	−1·7	2·51
	Burdwan	Burdwan ...	30·024	29·701	29·865	29·966	+·037	93·1	66·4	90·1	73·0	81·6	+0·2	63	−13	1·3	−3·1	0·71
	Bankoora	Bankoora ...	29·795	29·492	29·687	—	—	93·1	63·7	90·3	71·4	80·8	—	56		1·3		1·72
	West Burdwan and Beerbhoom.	Raniganj ..	29·784	29·486	29·632	29·942	+·045	93·0	64·0	90·8	71·7	81·3	+0·8	57		1·8		1·84
	Moorshedabad	Berhampore ..	30·062	29·723	29·901	29·969	+·045	92·7	66·2	88·5	73·2	80·9	−0·6	70	−9	2·8	−2·1	0·68
	Nuddea	Krishnagore ...	30·078	29·734	29·922	29·989	+·065	92·8	63·9	88·9	71·7	80·3	−0·5	64		3·4		5·33
	Jessore and Khoolna ...	Jessore ...	30·098	29·751	29·934	29·967	+·050	92·3	66·5	89·4	74·1	81·8	+0·2	71	−10	3·0	−1·8	1·06
East Bengal.	Chittagong	Chittagong ..	30·015	29·701	29·874	29·965	+·038	91·7	67·5	87·1	73·2	80·2	0	78	−5	2·8	−1·6	
	Chittagong Hill Tracts	Demagri ...																
	Backergunj	Barrisal ...	30·088	29·740	29·942	29·954	+·036	91·3	68·4	87·4	73·5	80·5	+1·4	72		2·7		9·14
	Noakholly	Noakholly* ...	30·067	29·715	29·923	29·967	+·077	89·7	65·1	85·9	73·2	79·1	−1·2	75		2·4		17·40
	Furreedpore	Furreedpore ...	30·059	29·739	29·935	29·975	+·047	90·5	66·4	86·7	73·9	79·8	−0·4	69		2·1		0·81
	Dacca	Dacca* ...	30·086	29·715	29·932	29·954	+·047	92·1	68·6	88·5	73·7	81·1	−0·3	69	−12	2·7	−1·4	2·24
	Commillah	Commillah ...	30·075	29·705	29·923	29·956	+·053	93·3	67·8	83·5	72·4	80·5	−0·6	72	—	3·0		6·95
	Mymensingh	Mymensingh* ...	30·064	29·700	29·909	29·968	+·063	90·3	66·1	87·5	72·0	79·8	−0·8	74		3·3		4·85
North Bengal.	Bogra	Bogra ...	30·035	29·678	29·881	29·944	—	92·	63·9	83·7	71·6	80·2	—	66		1·4		0·21
	Pubna	Serajgunj ...	30·078	29·707	29·913	29·960	+·041	92·1	62·8	88·4	71·0	79·7	−0·4	70		2·0		1·52
	Rajshahye	Rampore Beauleah.	30·053	29·709	29·898	29·968	+·066	92·8	65·7	88·2	73·8	80·5	+1·2	68		3·3		2·25
	Maldah	Maldah ...	30·007	29·700	29·866	—	—	92·0	62·5	89·7	71·3	80·5	—	63		1·2		1·80
	Dinagepore	Dinagepore ...	29·982	29·652	29·836	29·957	+·039	93·1	57·7?	90·5	67·2	77·7	?	67		1·1		Nil
	Rungpore	Rungpore ..	29·999	29·656	29·842	29·968	+·012	93·3	63·7	88·5	70·9	79·7	+0·4	71		0·8		0·01
	Julpigoree and Cooch Behar.	Julpigoree ..	29·846	29·470	29·686	29·970	+·022	92·0	64·9	87·5	69·2	78·4	+0·4	71		0·3		0·70
	Darjeeling Hill Tracts...	Darjeeling ...	23·204	22·946	23·07	—	+·006	68·6	45·2	61·4	49·7	55·6	+0·9	86	+5	5·9	+0·5	0·08
North Behar.	Purneah and North Bhagulpore.	Purneah ...	30·007	29·663	29·848	29·970	+·046	92·7	59·2	88·5	68·8	78·7	−1·1	70	−7	1·4	−2·0	Nil
	Mozufferpore	Mozufferpore ...																
	Durbhunga	Durbhunga ...	29·967	29·645	29·806	29·976	+·055	90·4	66·9	85·6	73·7	80·2	+0·8	68	−9	1·0	−2·2	Nil
	Chumparun	Motihari ...	29·888	29·548	29·727	29·953	+·057	95·8	55·4	91·0	67·1	79·1	+1·7	55		1·4		Nil
	Sarun	Chupra ...	29·889	29·622	29·757	29·950	+·038	90·5	64·8	86·9	70·9	78·9	−0·2	54		1·1		Nil
South Behar.	Shahabad	Dehree* ...	29·741	29·462	29·614	29·972	+·040	95·3	65·0	90·3	70·0	80·2	+2·4	52		1·0		1·36
		Buxar ...	29·871	29·580	29·723	29·971	+·001	92·4	61·9	90·1	70·0	80·1	+0·6	53		1·2		0·30
		Arrah ...	29·912	29·621	29·770	29·969	+·053	92·9	61·8	90·5	68·5	79·5	+0·7	57		1·1		0·28
	Gya	Gya ...	29·740	29·439	29·584	29·964	+·034	93·9	63·7	90·6	69·3	80·0	+0·1	61	−4	2·0	−1·6	0·40
	Patna	Bankipore ...	29·948	29·637	29·789	29·975	+·046	97·5	64·8	90·7	72·1	81·4	+1·5	55	−16	1·3	−1·9	Nil
	South Bhagulpore and Monghyr.	Bhagulpore ...	29·964	29·630	29·805	29·969	+·061	91·7	63·0	88·3	71·4	79·9	+0·9	62		0·9		0·06
	Sonthal Pergunnahs ...	Naya Doomka...	29·017	29·295	29·461	—	+·049	93·1	61·0	89·1	70·0	79·6	+0·8	59		0·6		1·51
Chota Nagpore.	Hazaribagh	Hazaribagh ...	28·092	27·523	27·961	29·974	+·053	87·0	62·0	84·8	66·4	75·6	+0·9	49	−17	2·7	−1·6	1·02
	Lohardugga ... ...; Manbhoom	Ranchee ...	27·958	27·690	27·834	29·962	+·046	86·5	60·4	84·4	64·2	74·3	0	55		3·0		0·42
	Singbhoom	Chyebassa ...	29·306	29·037	29·191	—	+·049	91·7	61·2	90·4	68·4	79·4	+0·1	55		1·5		drops
Assam	Assam	Sibsagar ...	29·822	29·511	29·671	30·011	+·040	91·1	63·8	88·1	70·0	77·6	−0·3	83	−2	5·5	−1·3	3·88
		Dhubri ...	30·023	29·642	29·861	29·980	+·039	88·2	67·9	86·3	72·3	79·3	+0·1	75	−6	1·9	−0·6	0·05
		Silchar ...	?	?	?	?	?	95·6	66·3	90·2	71·4	80·8	+0·5	73	−8	4·3	+0·1	4·23

[B]engal for the month of October 1888.

DISTRICT OBSERVATIONS.												
RAINFALL.										Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
Of month.					Since 15th May.							
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
2·15	8·12	−5·97	4·3	9·7	39·10	52·44	−13·34	63 6	77·8	Pooree ...	Pooree	ORISSA.
—	—	—	—	—	—	—	—	—	—	Gopalpore ...		
—	—	—	—	—	—	—	—	—	—	False Point ...		
1·34	5·60	−4·26	3·0	8·3	48·32	50·06	−1·74	69·0	75·6	Cuttack ...	Cuttack	
1·17	5·29	−4 12	2 5	7·0	51·07	51·74	−0·67	63·5	74·0	Balasore ...	Balasore	
2·16	7·72	−5·56	4·7	8·1	53·32	60 99	−7 67	67·3	82·4	Saugor Island ...	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
1·37	4·27	−2·90	2·0	5·4	61·21	50·54	+10·67	69·0	69·7	Midnapore ...	Midnapore	
2·02	4·17	−2·15	2·8	7·4	60·34	50·55	+9·79	74·8	87·1	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.	
0·57	3·97	−3·40	2·0	6·0	53·02	45·82	+7·20	71·9	73·6	Burdwan ...	Burdwan	
0·56	3·75	− 3·19	1·3	6·7	50·89	51·26	−0·37	70·4	79·8	Bankoora ...	Bankoora	
0·66	3·46	−2·80	1·8	5·7	55·22	50·88	+4·34	79·0	81·0	Ranigunj ...	West Burdwan and Beerbhoom.	
1·66	4·22	−2·56	2·3	6·3	45·27	49·69	−4 42	75·7	76·9	Berhampore ...	Moorshedabad	
1·84	4·21	−2 37	2·4	6·4	51·82	48·29	+3·53	74·1	76 0	Krishnagore ...	Nuddea	
1·52	4·42	−2·90	2·6	6·8	42·73	52 09	−9·36	70·6	82·0	Jessore ...	Jessore and Khoolna ...	
7·13	6·67	+0·46	5·5	8·9	125·77	110·40	+15·37	101·5	103·2	Chittagong ...	Chittagong	EAST BENGAL.
6·23	7·15	− 0·92	6·0	10·2	72·21	78·02	−5·81	95·0	108·4	Demagri ...	Chittagong Hill Tracts	
8·09	5·53	+2·56	3·5	8·5	71·60	74·52	−2·92	80·7	101·9	Barrisal ..	Backergunj	
12·57	6·37	+6·20	4·5	8·9	105·69	103·14	+2·55	97·5	103·3	Noakholly ...	Noakholly	
0·84	4·44	−3·60	3·0	·1	46·29	54·74	8·45	66·7	83·9	Furreedpore ...	Furreedpore	
1·59	4·39	−2·80	4·0	6·5	54·77	58·35	−3·58	81·6	87·9	Dacca ...	Dacca	
3·54	5·17	−1·63	3·8	7·4	61·43	67 54	−6·11	79·1	92·9	Commillah ...	Commillah	
3·28	5 32	−2·04	2·4	6·7	65·91	66·47	−0·56	88·2	86·4	Mymensingh ...	Mymensingh	
0·52	4·40	−3·88	1·5	5·7	42·80	56·34	−13·54	73·4	75·4	Bogra ...	Bogra	NORTH BENGAL.
0·97	4·59	−3·62	2·5	6·5	40·32	52·54	−12·22	87·0	78·4	Serajgunj ...	Pubna	
1·25	4·45	−3·20	1·5	6·4	44·78	53·07	−8·29	76·0	75·2	Rampore Beauleah.	Rajshahye	
1·49	3·69	− 2·.0	2·0	5·8	39·65	53·44	−13·79	70·5	81·2	Maldah ...	Maldah	
0·60	3 75	−3·15	1·4	5·0	45·08	56·77	−11·69	70·4	76·1	Dinagepore ...	Dinagepore	
0·31	4·89	−4·58	1·0	5·3	55·04	73·09	−18·05	72·9	74·8	Rungpore ...	Rungpore	
0·96	5·82	−4·86	3·0	6 5	85·61	110·55	−24·94	89·6	94·9	Julpigoree ...	Julpigoree and Cooch Behar.	
2·07	6·31	−4·24	4·3	7·5	97·60	119·91	−22·31	113·1	108·7	Darjeeling ...	Darjeeling Hill Tracts...	
0·04	3·61	−3·57	0·2	4·2	47·48	58·00	−10·52	66·8	68·2	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
Nil	3·40	−3·40	0·0	3·8	39·17	42·68	−3 51	56·7	55·4	Mozufferpore ...	Mozufferpore	
Nil	2·92	−2·92	0·0	3·4	38·57	43 91	−5·34	59·7	55·7	Durbhunga ...	Durbhunga	
Nil	3·54	−3 54	0·0	2·9	40·77	45·89	−5·12	59·0	51·0	Motihari ...	Chumparun	
Nil	4·38	−4·38	0·0	3·6	37·19	41·96	−4 77	56·9	55·0	Chupra ...	Sarun	
0·48	3·38	−2·90	0·6	3·8	41·47	38·77	+2·70	57·0	58 0	Dehree ... / Buxar ... / Arrah ...	Shahabad	SOUTH BEHAR.
0 29	2·83	−2·54	0·6	3·8	48·79	40·47	+8 32	59·4	54·7	Gya ...	Gya	
0·07	3·26	−3·19	0·3	4·1	46·10	40·40	+5·70	60·9	59·6	Bankipore ...	Patna	
0·73	3·20	−2·47	1·6	4·3	47·88	42·33	+5·55	69·6	63·8	Bhagulpore ...	South Bhagulpore and Mongyr.	
0·91	3·75	−2·84	2·5	5·3	51·57	50·12	+1·45	77 9	73·7	Naya Doomka...	Sonthal Pergunnahs ...	
1·90	3·13	−1·23	2·8	5·5	55·59	49 24	+6·35	79·8	78·0	Hazaribagh ...	Hazaribagh	CHUTIA NAGPUR.
0·23	2·87	−2·64	1·0	6·2	49·95	47·40	+2·55	76·5	83·0	Ranchee	Lohardugga	
0·59	3·34	−2·75	2·0	6·0	45·71	46·04	−0·33	87·0	80·8		Manbhoom	
0·05	2·95	−2 90	1·0	6 6	39·79	50·24	−10·45	66·0	87·7	Chyebassa ...	Singbhoom	
......	......	......	......	......	......	......	......	......	......	Sibsagar... ...	Assam ...	ASSAM.
......	......	......	......	......	......	......	......	......	......	Dhubri		
......	......	......	......	......	......	......	......	......	......	Silchar		

Table of Rainfall recorded at Statio

Meteorological division.	District.	Station	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
ORISSA ..	Pooree	Pooree			0 30	0 28		0 39											.		.
		Khurdah			0 23	0 10		0 .4													
		Banpur			1 12	0 91	0 20														..
		False Point				1 47	0 3	0 33											..	0 97	..
		Gop			0 07	0 33	0 38										.			..	
		Pipli																			
	Cuttack ...	Jagatsingpore					0 15														
		Banki			0 38		0 8	0 05				...						..		..	..
		Cuttack			1 .3	0 12	0 03	0 13											.		
		Kendrapara					0 10	0 1													
		Jajpur			2 15																
		Dharmsalla		1·30																	..
		Salipore																			
	Balasore .	Chandbali				0 20	0 05			.						0 05					.
		Bhuddruck			1 15	0 8															
		Sorah			1 0		0 51									0 07				.	..
		Balasore		0 09	0 15		0 0													.	
		Jellasore																			.
		Baripodah			0 67																
SOUTH WEST BENGAL.	Midnapore .	Contai			0 ..		0 0	0 08	0 0												
		Saugor Island		0 09	0 52		0 0	0 84	0 16												
		Tumlook					1 10														
		Midnapore			0 1		1 50	0 9													..
		Ghatal			0 22			0 0													..
		Kukrahaty		1 28			1 15		0 38												.
		Heria		0 41	0 4		0 3														
		Bhugwanpore			0 10	0 05	0 12	0 47	1 10			0 1	0 05	0 42							..
		Garbeta					0 .2														.
	24-Pergunnahs	Diamond Harbour		2 30	0 23	.	0 70		0 .8											.	
		Canning Town							0 15												
		Alipore Jail		0 45			0 8	0 6	0 81												
		Barrackpore			0 74		0 98														.
		Dum-Dum					0 38	0 07	1 8												..
		Barasat					1 1		0 34												
		Busserhat							1 1												..
	Howrah .	Howrah		0 28			0	0 21	0 78							0 15					
		Mohesreka (*Oolooberiah*)					1 17	0 15													
	Hooghly	Serampore		1 01	0 18		1 .	0 1	0 04												..
		Hooghly			0 00	.	3 34	0 08													..
		Jehanabad						0 0													
	Burdwan .	Culna		.	0 27		0 28														.
		Burdwan			07			0 24	0 28								0 1				
		Cutwa			0 18			0 1	0 28												...
		Raneegunge			0 11												0 23				
		Mankur			0 11																.
	Bankoora .	Bankoora			0 .0		1 30										0 22		..		
		Bishenpore																			
		Malliara			0 10		0 42														
		Khatra																		0 17	.
		Indas																			..
		Kotaipore						0 20													
		Anda					1 17														
		Gangajalghati																			
		Raipore																			
		Sonamukhi																			..
	Beerbhoom	Sooree			0 .1			0 70													
		Hetampore				0 41		0								0 14					
		Rampore Haut						0 50									0 3				
		Lelpur		0 81			0	1 80													
		Murarai					0 41	0 60													
	Nuddea ..	Ranaghat					1 .6														
		Kishnaghur				0 03	4 45	1 5								0 1					
		Chooadanga				0 20	0 5		1 03												
		Meherpore					0 24	0 1													.
		Kooshtea							0 32												
	Khoolna	Sathkhira						01	1 61												
		Baggerhat					( )	0 7													.
		Khoolna			1 18			0 4	0 03												
	Jessore	Narail			40			0 7	0 17												
		Jessore		(1)			0 73	1	3 2												.
		Jhenidah							3 .												
		Magoorah			0 .3		1 .	1 1	0 4												
		Bongong					1 .		1 8												
	Moorshedabad	Kandi					0 5		0 30		.										
		Berhampore						0 13	3 03												.
		Lalbagh				0 34		1													
		Azimgunge				1 10		1 5													
		Jungipore				0	3 .		11												
		Nalhatia				0 10			0 8												.
		Jangipur				1 0		1	0 07												.
		Ahiriya						0 50													
		Kalkapari																			
EAST BENGAL	Chittagong ..	Cox's Bazar		0 3	0 1	1		0 10	2 16	.		0 01									
		Chittagong			0 0	0 8	1 3	-	3 0					0							
		Kutubdea		0 07	0 3	0	0 1		5 7												
		Satkania			0 34	0 0	1 5	1 32			1 18										
	Chittagong Hill Tracts	Rangamati			0 3	0	0 04	1 43	1		0 07					.					
		Bandarban			1 6		0 58	0 96	3 6		0 23										.
	Backergunge	Patuakhally						4 74	1 27								.				
		Ferozepore			0 5			0 10	0 24												
		Burrisal		0 11	0 81		0 .9	1 02	5 6	.				0 53							
		Bhola		0 65				1 55	3 30												
		Gournaddi		0 14	0 58		0 20	1 00	0 .2												
		Baufal			0 11		0 19	10 04	3 80					0 02							
	Noakholly .	Noakholly			0 6		1 2	4 72	0 20					1 10			.			.	...
		Fenny			0 21		1 50	2 84	3 72												

in Bengal in October 1888.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st October 1888.	Average rainfall from 1st January up to 31st Oct 1888.	Station.	District.	Meteorological division.
...	...	...	...	0·72	...	...	...	...	...	0·72	5	11·2	2·47	8·65	0·72	36·53	51·94	Pooree ...	Pooree ...	ORISSA.
...	...	...	...	...	...	...	...	...	...	0·02	4	10·9	0·60	6·61	0·24	39·58	57·00	Khurdah.		
...	...	...	...	...	...	...	...	...	...	0·16	4	7·4	2·39	5·83	1·12	35·29	49·58	Banpur.		
...	...	...	...	...	...	...	...	...	...	...	4	9·2	3·14	10·27	1·47	56·42	66·52	False Point.		
...	...	...	...	0·15	...	...	...	...	0·20	...	5	?	1·08	?	0·33		?	*Gop.*		
												?		?			?	*Pipli.*		
...	...	...	...	0·94								7·6						Jagatsingpore	Cuttack.	
...	...	...	...	..	...	...	..	...	0·69	0·05	5	10·4	1·25	4·0	0·69	45·76	50·17	Banki.		
...	...	...	...	...	...	...	...	...	...	...	4	9·8	1·41	5·45	1·23	53·45	56·54	Cuttack.		
...	...	...	...	...	...	...	...	...	...	...	2	7·2	0·55	5·94	0·40	47·72	55·67	Kendrapara.		
...	...	...	...	...	...	...	...	...	...	...	1	6·4	2·65	5·12	2·05	61·87	58·54	Jajpore		
...	...	...	...	...	...	...	...	...	...	...	1	?	1·30	?	1·30	57·11	?	*Dharmsala.*		
...	...	...	...	...	...	...	...	..	...	...		?		?			?	*Salipore.*		
...	...	...	...	...	...	...	...	...	...	...	3	7·1	0·80	6·07	0·20	52·27	56·67	Chandbali ...	Balasore.	
...	...	...	...	...	...	...	...	...	...	...	2	6·8	1·31	4·44	1·15	53·12	57·17	Bunddruck.		
...	...	...	...	...	...	...	...	...	...	.	3	5·7	1·08	5·24	1·00	51·25	55·90	Sorah.		
...	...	...	...	...	...	...	...	...	...	...	3	8·4	2·08	6·61	0·95	65·51	65·45	Balasore.		
...	...	...	...	...	...	...	...	...	...	...		5·8						Jellasore.		
...	...	...	...	...	...	...	...	...	...	...	1	8·2	0·67	3·82	0·67	57·15	59·30	Barripodah.		
...	...	...	...	...	...	...	...	...	...	...	4	7·0	0·93	8·09	0·60	58·00	67·57	Contai ...	Midnapore.	
...	...	...	.	...	...	...	0·63	...	...	...	6	9·8	2·04	9·06	0·88	56·23	73·11	Saugor Island.		
...	...	...	...	...	...	...	...	...	...	...	1	4·1	1·40	4·19	1·40	70·63	58·00	Tumlook.		
...	...	...	...	...	...	...	...	..	...	...	3	6·9	2·45	4·92	1·50	70·52	58·98	Midnapore.		
...	...	...	...	...	...	...	...	...	...	.	2	5·3	0·27	3·32	0·22	61·91	61·73	Ghatal.		
...	...	...	...	...	...	...	...	..	...	...	3	?	2·90	?	1·45	74·31	?	*Kukrahaty.*		
...	...	...	...	...	...	...	...	...	...	...	3	?	1·25	?	0·46	58·25	?	*Hersa.*		
...	...	...	..	...	...	...	...	...	...	...	8	?	2·71	?	1·10	54·81	?	*Bhagwanpore.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·22	2·64	0·22	70·83	56·85	*Garbeta.*		
...	..	...	...	...	...	...	...	..	...	...	4	7·4	3·51	5·05	2·30	65·42	66·01	Diamond Harbour.	24-Pergunnahs	SOUTH-WEST BENGAL.
...	...	...	...	...	...	...	...	...	...	...	1	?	0·15	?	0·15	64·73	?	*Canning Town*		
...	...	...	...	...	...	...	...	...	...	...	4	8·3	2·52	4·30	0·83	69·61	62·55	Alipore Jail.		
...	...	...	...	...	...	...	...	...	...	...	2	6·8	1·70	3·33	0·96	65·86	55·14	Barrackpore.		
...	...	...	...	...	...	...	...	...	...	...	3	7·1	2·87	4·28	1·82	71·34	59·40	Dum-Dum.		
...	...	...	...	...	...	...	...	...	...	. .	2	7·1	1·76	4·36	1·42	75·37	58·13	Baraset.		
...	...	...	...	...	...	...	...	...	...	...	1	7·2	1·04	4·23	1·04	58·91	61·85	Busoorhat.		
...	...	...	...	...	...	...	...	...	...	...	5	9·2	2·37	4·13	0·97	69·95	60·68	Howrah ...	Howrah.	
...	...	...	...	...	...	...	...	...	...	. .	2	6·2	1·82	3·33	1·67	65·37	59·31	Mohesreka (*Oolooberiah*)		
...	...	...	...	...	...	...	...	...	...	...	5	8·4	2·52	4·10	1·29	69·38	57·62	Serampore ...	Hooghly.	
...	...	...	...	...	...	...	...	...	...	..	3	7·8	3·51	3·95	3·34	70·39	59·14	Hooghly.		
...	...	...	...	...	...	...	...	...	...	...	1	5·9	0·08	4·16	0·08	66·60	62·09	Jehanabad.		
...	...	...	...	...	...	...	...	...	...	...	2	5·1	0·53	3·74	0·27	64·14	52·06	Culna ...	Burdwan.	
...	...	...	...	...	...	...	...	...	...	...	4	6·4	0·71	4·40	0·28	47·95	56·45	Burdwan.		
...	...	...	...	...	...	...	...	..	...	...	3	6·5	0·48	3·85	0·28	67·45	54·89	Cutwa.		
...	...	...	...	...	...	...	...	...	...	...	1	6·1	0·11	3·24	0·11	60·45	53·53	Raneegunge.		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·39	?	0·28	48·86	?	*Mankur.*		
...	...	...	...	...	...	...	...	...	...	...	3	7·1	1·72	4·52	1·30	51·47	55·79	Bankoora ...	Bankoora.	
...	...	...	...	...	...	...	...	...	...	. .	Nil	6·9	Nil	2·40	Nil	60·73	67·82	Bishenpore.		
...	...	...	...	...	...	...	...	...	...	...	2	6·0	0·52	3·42	0·42	52·47	52·93	Mohara.		
...	...	...	...	...	...	...	...	...	...	...	Nil	6·6	Nil	3·89	Nil	57·04	60·14	Khatra.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·17	?	0·17	46·02	?	Indas.		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	54·29	?	Kotulpore.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·20	?	0·20	40·36	?	Amda.		
...	...	...	...	...	...	...	...	...	...	...	1	?	1·17	?	1·17	58·51	?	Gangajalghati.		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	3·34	Nil	58·06	56·94	*Raipore.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	51·61	?	*Sonamukhi.*		
...	...	...	...	...	...	...	...	...	...	...	2	6·6	1·10	3·59	0·79	57·31	55·56	Bh. Soory ...	Beerbhoom.	
...	...	...	...	...	...	...	...	...	...	...	3	4·2	0·61	2·71	0·41	49·23	57·76	Hetampore.		
...	...	...	...	...	...	...	...	...	...	...	1	6·0	0·80	3·09	0·80	69·58	56·01	Rampore Haut		
...	...	...	...	...	...	...	...	...	...	...	4	?	3·50	?	1·80	65·69	?	*Bolpur.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	1·06	?	0·66	64·86	?	Mururai.		
...	...	...	...	...	...	...	...	...	...	...	1	5·5	1·26	3·64	1·26	64·86	54·65	Ranaghat ...	Nuddea.	
...	...	...	...	...	...	...	...	...	...	...	5	7·1	5·51	4·53	4·48	72·74	55·10	Kishnaghur.		
...	...	...	...	...	...	...	...	...	...	...	3	6·1	1·72	4·55	1·00	60·53	55·72	Choodanga.		
...	...	...	...	...	...	...	...	...	...	...	2	5·9	0·40	3·51	0·29	59·07	55·90	Meherpore.		
...	...	...	...	...	...	...	...	...	...	...	1	7·2	0·34	4·73	0·32	50·10	61·00	Kooshtea.		
...	...	...	...	...	...	...	...	...	...	...	2	7·6	0·54	4·45	0·50	42·18	63·75	Satkhira	Khoolna	
...	...	...	...	...	...	...	...	...	...	...	2	5·6	1·39	5·03	0·79	60·39	68·96	Bagirhat.		
...	...	...	...	...	...	...	...	...	...	...	3	6·9	2·10	4·07	1·18	58·00	64·05	Khoolna.		
...	...	...	...	...	...	...	...	...	...	...	3	6·9	0·90	3·14	0·46	36·40	54·22	Narail	Jessore.	
...	...	...	...	...	...	...	...	...	...	...	4	8·0	[illegible]	5·36	0·53	65·21	60·55	Jessore.		
...	...	...	...	...	...	...	...	...	...	...	1	6·5	0·37	4·54	0·37	47·80	61·50	Jhenidah.		
...	...	...	...	...	...	...	...	...	...	...	4	7·3	2·72	3·75	1·33	52·06	59·27	Magoorah.		
...	...	...	...	...	...	...	...	...	...	...	2	5·7	3·05	4·60	1·65	54·50	58·70	Bongong.		
...	...	...	...	...	...	...	...	...	...	...	2	6·2	0·67	3·70	0·37	54·88	54·60	Kandi ...	Moorshedabad	
...	...	...	...	...	...	...	...	...	...	...	1	6·7	0·63	5·20	0·63	45·44	54·94	Berhampore.		
...	...	...	...	...	...	...	...	...	...	...	3	6·1	2·32	4·26	1·91	50·39	54·73	Lalbagh.		
...	...	...	...	...	...	...	...	...	...	...	3	6·8	2·62	4·92	1·37	?	54·97	Azimgunge.		
...	...	...	...	...	...	...	...	...	...	...	3	5·9	3·24	3·49	3·20	47·46	53·24	Jungipore.		
...	...	...	...	...	...	...	...	...	...	...	2	6·3	0·50	4·13	0·40	51·59	54·45	Lalgola.		
...	...	...	...	...	...	...	...	...	...	...	3	?	2·60	?	1·53	52·04	?	Jiagunge.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·59	?	0·59	54·48	?	*Akhrigunj.*		
...	...	...	...	...	...	...	...	...	...	...		?		?			?	*Patkabari.*		
...	...	...	...	...	...	...	...	...	...	...	5	8·9	10·01	7·88	6·10	159·92	141·04	Cox's Bazar ..	Chittagong ...	EAST BENGAL.
...	...	...	...	...	...	...	...	...	...	...	6	8·9	4·24	5·96	2·26	110·25	103·41	Chittagong.		
...	...	...	...	...	...	...	...	...	...	...	7	?	12·65	?	5·97	130·29	?	*Kutubdia.*		
...	...	...	...	...	...	...	...	...	...	...		?		?			?	*Satkanya.*		
...	...	0·30	...	...	...	...	...	...	...	...	6	10·4	5·02	6·85	3·10	88·76	93·09	Rangamati ...	Chittagong Hill Tracts.	
...	...	...	...	...	...	...	...	...	...	...	6	10·0	7·43	7·40	3·75	83·08	87·30	Rama.		
...	...	...	...	...	...	...	...	...	...	...	2	8·8	8·01	6·11	4·74	100·40	95·20	Patuakhally ...	Backergunge.	
...	...	...	...	...	...	...	...	...	...	...	3	7·3	0·69	5·49	0·40	71·86	77·24	Perozepore.		
...	...	...	...	...	...	...	...	...	...	...	6	8·9	8·97	4·78	5·02	75·79	77·94	Burrisal.		
...	...	...	...	...	...	...	...	...	...	...	3	8·9	14·50	6·26	10·55	87·90	90·13	Bhola.		
...	...	...	...	...	...	...	...	...	...	...	5	?	2·53	?	1·00	62·66	?	*Gournaddi.*		
...	...	...	...	...	...	...	...	...	...	...	5	?	15·35	?	10·61	111·33	?	*Bauphal.*		
...	...	...	...	...	...	...	...	...	...	...	5	9·0	16·80	7·68	9·20	121·92	110·26	Noakholly ..	Noakholly.	
...	...	...	...	...	...	...	...	...	...	...	4	8·8	8·24	6·14	3·72	123·51	117·85	Fenny.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL—*concld.*	Noakholly—*concld.*	*Harishpore* ...	...	...	...	...	0·95	2·98	2·73	...	...	...	...	0·10	...	...	...	...	...	...	...	...
		Ramganj ..	...	...	0·75	...	2·28	4·27	0·58	...	...	...	...	...	...	...	...	...	...	...	...	...
	Furreedpore ..	Madaripore ..	...	...	0·30	...	...	0·50	0·28	...	...	...	...	...	...	...	...	...	...	...	...	...
		Furreedpore .	...	...	0·25	...	0·47	0·09	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Goalundo ..	...	...	0·20	...	0·11	0·33	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dacca ...	Munshigunge	...	...	0·94	...	...	0·14	0·24	...	0·15	...	...	...	...	...	...	...	...	...	...	...
		Dacca .	...	...	0·38	...	...	0·85	0·31	...	...	...	...	...	...	...	...	...	...	...	...	...
		Narainganj	...	...	1·36	...	...	0·17	0·27	...	0·48	...	...	...	...	...	...	...	...	...	...	...
		Manickgunge	...	0·01	0·35	...	0·41	0·06	0·70	...	...	...	...	...	...	...	...	...	...	...	...	...
		Joydebpore ...	...	...	0·18	...	0·01	0·14	0·52	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	Agartola ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tipperah ...	Comilla ...	...	0·07	0·18	0·16	0·12	1·53	4·18	...	...	...	...	0·53	...	...	...	...	...	...	...	...
		Chandpore .	...	...	0·44	...	0·30	1·12	1·92	...	...	...	...	...	...	...	...	...	...	...	...	...
		Brahmunberia	...	...	1·26	...	...	0·73	1·30	...	...	...	...	...	0·12	...	...	...	...	...	...	...
		Ramchandrapore.	...	...	0·97	0·30	...	1·02	1·29	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nasirnagar ..	...	...	0·80	...	0·30	1·50	3·00	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudkandi ..	...	...	...	...	0·47	0·04	0·39	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kasba ...	...	...	...	...	...	0·83	1·40	...	...	...	...	...	...	...	...	...	...	...	...	...
		Laksham ...	...	...	0·82	...	0·20	2·06	8·82	...	...	...	...	0·11	...	...	...	...	...	...	...	...
	Mymensingh .	Kishoregunge	...	...	...	...	...	2·08	1·11	...	...	...	...	...	...	...	...	...	...	...	...	...
		Atia (*Tangail*)	...	1·00	...	...	1·70	2·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mymensingh	...	...	...	...	1·18	0·08	2·40	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamalpore ...	...	...	...	...	0·84	...	0·89	...	...	...	...	...	...	...	...	...	...	...	...	...
		Netrokona ..	...	...	...	...	...	1·34	1·20	...	...	...	...	...	...	...	...	...	...	...	...	...
		Subornakhally	...	...	...	...	1·17	0·50	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...
		Durgapore .	...	...	...	...	...	...	7·70	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dewanganj ...	...	...	...	...	...	2·05	1·40	...	...	...	...	...	...	...	...	...	...	...	...	...
NORTH BENGAL	Pubna ...	Pubna .	...	...	...	...	...	0·03	0·32	...	...	...	...	...	...	...	...	...	...	...	...	...
		Serajgunge .	...	...	...	...	1·23	0·03	0·28	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bogra ...	Sherpore ..	...	...	...	...	...	...	0·80	...	...	...	...	...	0·40	...	...	...	...	...	...	...
		Nowkhilla ..	...	...	...	...	...	0·31	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bogra ..	...	...	...	...	...	...	0·27	...	...	...	...	...	...	...	...	...	...	...	...	...
		Panchbibi ..	...	...	...	...	...	0·08	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rajshahye ...	Beauleah ..	...	...	...	1·66	...	0·44	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nattore ...	...	...	...	...	...	...	0·40	...	...	...	...	...	...	...	...	...	...	...	...	...
		Naogaon ..	...	...	...	...	...	...	0·15	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalpore ...	...	...	...	...	...	0·38	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Manda ...	...	...	...	...	...	1·58	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maldah ...	Maldah ...	...	...	...	...	...	1·39	0·21	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chanchal ..	...	...	...	...	...	0·63	0·59	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gajol .	...	...	...	...	...	...	0·24	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sibganj ..	...	...	...	...	...	0·42	0·13	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dinagepore ..	Mohadebpore	...	...	...	...	0·60	0·25	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Churamon ..	...	...	...	...	...	0·12	0·67	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raigunge ...	...	...	...	...	...	0·11	0·77	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinagepore .	...	...	...	...	...	0·46	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Baloorghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Thakurgaon...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rungpore ...	Bhawanigunge (*Gyabanda*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rungpore ..	...	...	...	...	...	0·02	0·02	...	...	...	...	0·06	...	...	...	...	...	...	...	...
		Kurigram ..	...	...	...	...	...	...	...	...	...	...	...	...	1·15	...	...	...	...	...	...	...
		Bagdogra (*Nilphamari*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ulipore ...	...	...	...	...	...	...	...	...	...	...	...	...	0·85	...	...	...	...	...	...	...
	Julpigoree ...	Julpigoree	...	...	...	...	...	0·23	...	...	...	...	...	...	0·36	0·72	...	...	...	...	...	...
		Alipore Doar	...	...	...	...	...	1·13	...	...	...	...	...	...	...	0·16	...	...	...	...	...	...
		Falacotta ...	...	...	...	...	...	...	...	...	...	...	...	...	1·10	0·53	...	...	...	...	...	...
		Debiganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar...	Dinhatta .	...	...	...	...	...	0·15	0·14	...	...	...	...	...	0·04	0·02	...	...	...	...	...	...
		Cooch Behar	...	...	...	...	...	0·68	...	...	...	...	...	...	0·48	...	...	...	...	...	...	...
		Mickligunge ..	...	...	...	...	...	0·22	...	...	...	...	...	...	0·11	0·28	...	...	...	...	...	...
		Matabhanga .	...	...	...	...	...	0·09	...	...	...	...	...	...	0·90	0·08	...	...	...	...	...	...
	Darjeeling Hill	Buxa ...	...	...	...	...	...	1·39	0·84	0·27	...	...	...	1·36	1·46	0·20	...	...	...	...	...	...
		Siliguri .	...	...	...	...	...	...	0·30	...	...	...	...	...	1·25	0·60	...	...	...	...	...	...
		Darjeeling .	0·02	...	0·01	...	...	...	...	...	...	0·03	...	0·02	...	...	...	...	...	...	...	...
		Kalimpong .	...	...	0·00	...	...	...	0·03	...	...	...	...	0·02	...	...	...	...	...	...	...	...
NORTH BEHAR	Purneah ..	Kissengunge	...	...	...	...	...	0·18	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arrareah .	...	...	...	...	...	...	[illegible]	...	...	...	...	...	...	...	...	...	...	...	...	...
		Purneah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gondwara .	...	...	...	...	1·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bilarampore	...	...	...	...	...	1·53	0·15	...	...	...	...	...	...	...	...	...	...	...	...	...
		Matiari .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kaliaganj ..	...	...	...	...	...	0·10	1·00	...	...	...	...	...	...	...	...	...	...	...	...	...
	North Bhagulpore.	Maddapore ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Soopool .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Protabganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Durbhunga ...	Tajpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Durbhunga ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Madhubani ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bahera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Roshera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mozufferpore	Sitamarhi .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mozufferpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hajipore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Paru ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mahua ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sruhar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pupri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chumparun ...	Motihari ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bettiah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bagaha ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Burhurwa ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sarun ...	Gopalgunge .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sewan ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chupra ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

in Bengal in October 1888—*continued.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st October 1888.	Average rainfall from 1st January up to 31st October 1888.	Station.	District.	Meteorological division.
...	...	...	...	...	...	...	...	...	...	...	4	?	7·08	?	2·98	141·67	?	*Harishpore* ...	Noakholly—*concld.*	EAST BENGAL—concld.
...	...	...	...	...	...	...	...	...	...	...	4	?	13·86	?	6·56	104·73	?	*Ramganj.*		
...	...	...	...	...	...	...	...	...	...	...	3	7·5	1·08	4·02	0·50	55·12	67·05	Madaripore ..	Furreedpore.	
...	...	...	...	...	...	...	...	...	...	...	3	7·2	0·81	4·32	0·47	68·02	68·35	Furreedpore.		
...	...	...	...	...	...	...	...	...	...	...	3	6·6	0·63	4·60	0·32	59·90	62·52	Goalundo.		
...	...	...	...	...	...	...	...	...	...	...	4	6·4	1·47	5·24	0·94	79·55	84·28	Munshigunge.	Dacca.	
...	...	...	...	...	...	...	...	...	...	...	3	7·2	1·56	5·09	0·85	70·31	72·09	Dacca.		
...	...	...	...	...	...	...	...	...	...	...	4	5·2	2·28	3·87	1·36	83·12	72·63	Narainganj.		
...	...	...	...	...	...	...	...	...	...	...	5	7·0	1·03	3·78	0·41	87·62	81·31	Manickgunge		
...	...	...	...	...	...	...	...	...	...	...	4	?	1·15	?	0·52	71·38	?	*Joydebpore.*		
...	...	...	...	...	...	...	...	...	...	..	Nil	7·3	Nil	4·45	Nil	81·63	77·30	Agartola ...	Hill Tipperah.	
...	...	...	...	...	...	...	...	...	...	...	7	7·6	6·76	5·24	4·18	88·35	91·14	Comilla ..	Tipperah.	
...	...	...	...	...	...	...	...	...	...	...	4	7·2	3·78	6·06	1·92	73·64	89·37	Chandpore.		
...	...	...	...	...	...	...	...	...	...	...	4	7·4	3·61	4·69	1·30	96·87	78·79	Brahmunberia.		
...	...	...	...	...	...	...	...	...	...	...	4	?	3·58	?	1·29	77·48	?	*Ramchandrapore.*		
...	...	...	...	...	...	...	...	...	...	...	4	?	5·80	?	3·00	82·30	?	*Nasirnagar.*		
...	...	...	...	...	...	...	...	...	...	...	3	?	1·80	?	0·94	74·93	?	*Dundkandi.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	2·25	?	1·40	83·27	?	*Kasba.*		
...	...	...	...	...	...	...	...	...	...	...	5	?	12·01	?	8·82	98·22	?	*Laksham.*		
...	...	...	...	...	...	...	...	...	...	...	2	7·9	3·19	5·18	2·05	98·58	82·62	Kishoregunge.	Mymensingh	
...	...	...	...	...	...	...	...	...	...	...	3	5·7	4·70	4·90	2·00	46·25	64·69	Atia (*Tangail*)		
...	...	...	...	...	...	...	...	...	...	...	3	8·2	4·26	5·39	2·40	81·07	91·85	Mymensingh.		
...	...	...	...	...	...	...	...	...	...	...	2	6·0	1·73	4·80	0·89	70·21	75·32	Jamalpore.		
...	...	...	...	...	...	...	...	...	...	...	2	5·6	2·54	6·08	1·34	90·06	86·49	Netrokona.		
...	...	...	...	...	...	...	...	...	...	...	3	?	2·17	?	1·17	68·15	?	*Subornakhally*		
...	...	...	...	...	...	...	...	...	...	...	1	?	7·70	?	7·70	127·27	?	*Durgapore.*		
...	...	...	...	...	...	...	...	...	...	..	2	?	3·45	?	2·00	63·04	?	*Dewanganj.*		
...	...	...	...	...	...	...	...	...	...	...	2	7·0	0·37	4·57	0·32	50·91	63·76	Pubna ...	Pubna ...	NORTH BENGAL
...	...	...	...	...	...	...	...	...	...	...	3	6·0	1·57	4·29	1·23	51·31	60·44	Serajgunge.		
...	...	...	...	...	...	...	...	...	...	...	2	5·4	1·20	3·95	0·80	46·48	63·34	Sherpore ...	Bogra.	
...	...	...	...	...	...	...	...	...	...	...	2	6·0	0·51	4·76	0·51	54·06	61·29	Nowkhilla.		
...	...	...	...	...	...	...	...	...	...	...	1	6·4	0·27	4·53	0·27	45·46	73·81	Bogra.		
...	...	...	...	...	...	...	...	...	...	...	1	5·1	0·08	3·99	0·08	40·61	60·25	Panchbibi.		
...	...	...	...	...	...	...	...	...	...	...	2	7·4	2·10	4·77	1·66	56·49	58·05	Beauleah ...	Rajshahye.	
...	...	...	...	...	...	...	...	...	...	...	1	5·3	0·40	4·26	0·40	67·15	61·87	Nattore.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·15	?	0·15	39·11	?	*Naogaon.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·38	?	0·38	49·42	?	*Lalpore.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	1·58	?	1·53	32·88	?	*Manda.*		
...	...	...	...	...	...	...	...	...	...	...	2	6·5	1·50	4·23	1·59	49·03	53·29	Maldah .	Maldah.	
...	...	...	...	...	...	...	...	...	...	...	2	5·0	1·18	3·02	0·59	34·38	58·41	Chunchal.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·24	?	0·24	38·47	?	*Gajol.*		
...	...	...	...	...	...	...	...	...	0·02	...	3	?	0·57	?	0·42	46·56	?	*Sibganj.*		
...	...	...	...	...	...	...	...	...	...	..	2	5·2	0·85	3·03	0·80	40·90	60·21	Mohadebpore..	Dinagepore	
...	...	...	...	...	...	...	...	...	...	...	2	4·7	0·79	2·64	0·67	48·19	56·34	Churamon.		
...	...	...	...	...	...	...	...	...	...	..	2	4·8	0·88	3·56	0·77	53·08	62·09	Raigunge.		
...	...	...	...	...	...	...	...	...	...	...	Nil	5·3	Nil	4·72	Nil	64·30	74·22	Dinagepore.		
...	...	...	...	...	...	...	...	...	...	...	1	4·7	0·46	3·25	0·46	43·51	52·79	Baloorghat.		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	?	?	Thakurgaon.		
...	...	...	...	...	...	...	...	...	...	...	Nil	5·0	Nil	4·83	Nil	56·45	65·54	Bhawanigunj (*Gyabanda*).	Rungpore.	
...	...	...	...	...	...	...	...	...	...	...	3	6·2	0·10	4·76	0·06	60·57	83·34	Rungpore.		
...	...	...	...	...	...	...	...	...	...	...	1	4·1	1·15	4·18	1·15	82·05	86·25	Kurigram.		
...	...	...	...	...	...	...	...	...	...	...	Nil	5·7	Nil	3·89	Nil	63·75	90·30	Bagdogra. (*Nilphamari*)		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·85	?	0·85	64·55	?	*Ulipore.*		
...	...	...	...	...	...	...	0·17	...	...	...	3	6·0	1·25	5·25	0·72	118·[illegible]	128·10	Julpigoree .	Julpigoree.	
...	...	...	...	...	...	...	...	...	...	..	2	?	0·58	?	0·22	91·72	?	*Alipore Duar.*		
...	...	...	...	...	...	...	0·09	...	...	...	4	?	2·90	?	1·18	[illegible]	?	*Falacotta.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	[illegible]	?	*Debiganj.*		
...	...	...	...	...	...	...	...	...	...	...	4	7·3	0·35	4·74	0·15	100·25	110·60	Dinhatta	Cooch Behar.	
...	...	...	...	...	...	...	...	...	...	...	2	5·5	1·96	5·21	0·85	103·24	119·35	Cooch Behar.		
...	...	...	...	...	...	...	...	...	...	...	3	6·0	0·61	4·21	0·23	81·95	117·61	Mekligunge.		
...	...	...	...	...	...	...	...	...	...	...	3	7·8	1·01	5·24	0·80	84·33	124·16	Mathabhanga.		
...	...	...	...	...	...	...	0·31	...	...	...	7	10·3	5·83	9·96	1·45	175·49	172·20	Buxa ...	Darjeeling.	
...	...	...	...	...	...	...	...	...	...	...	3	6·4	2·24	4·54	1·25	95·12	106·11	Siliguri.		
...	...	...	...	...	...	...	...	...	...	...	4	7·6	0·08	6·10	0·03	[illegible]	120·18	Darjeeling.		
...	...	...	...	...	...	...	...	...	...	...	3	5·8	0·11	4·23	0·06	74·51	85·54	Kalimpong.		
...	...	...	...	...	...	...	...	...	...	...	1	4·2	0·18	3·13	0·18	59·07	74·52	Kissengunge ..	Purneah ...	NORTH BEHAR.
...	...	...	...	...	...	...	...	...	...	...	Nil	3·4	Nil	3·33	Nil	55·61	65·21	Arrareah.		
...	...	...	...	...	...	...	...	...	...	...	Nil	4·9	Nil	3·76	Nil	49·55	63·93	Purneah.		
...	...	...	...	...	...	...	...	...	...	...	1	?	1·20	?	1·20		?	*Gondwara.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	1·68	?	1·53		?	*Balrampore*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	48·04	?	*Matiari.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	1·10	?	1·00	63·32	?	*Kaliaganj.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	4·6	Nil	4·32	Nil	61·25	53·57	Maddapore .	North Bhagulpore.	
...	...	...	...	...	...	...	...	...	...	...	Nil	3·7	Nil	2·72	Nil	45·46	50·43	Soopool.		
...	...	...	...	...	...	...	...	...	...	..	Nil	?	Nil	?	Nil	39·31	?	*Pertabganj.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	3·1	Nil	3·00	Nil	42·68	45·10	Tajpore ...	Durbhunga.	
...	...	...	...	...	...	...	...	...	...	...	Nil	3·6	Nil	2·82	Nil	38·22	47·70	Durbhunga.		
...	...	...	...	...	...	...	...	...	...	...	Nil	3·4	Nil	2·48	Nil	43·71	47·75	Madhubani.		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	54·06	?	*Bahera.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	43·87	?	*Rosera.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	3·3	Nil	2·65	Nil	38·01	45·43	Sitamarhi ...	Mozufferpore.	
...	...	...	...	...	...	...	...	...	...	...	Nil	3·6	Nil	2·87	Nil	45·33	43·83	Mozufferpore.		
...	...	...	...	...	...	...	...	...	...	...	Nil	4·1	Nil	3·70	Nil	40·02	43·96	Hajipore.		
...	...	...	...	...	...	...	...	0·05	...	...	1	?	0·05	?	0·05	38·17	?	*Para.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	36·91	?	*Mahua.*		
...	...	...	...	...	...	...	...	...	...	..	Nil	?	Nil	?	Nil	30·57	?	*Sauhar.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	30·51	?	*Pupri.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	2·9	Nil	3·56	Nil	38·40	48·03	Motihari ...	Chumparun.	
...	...	...	...	...	...	...	...	...	...	...	Nil	2·8	Nil	3·38	Nil	47·88	51·03	Bettiah.		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	53·22	?	*Bagaha.*		
...	...	...	...	...	...	...	...	...	...	..	Nil	?	Nil	?	Nil	40·76		*Burnurwa.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	3·3	Nil	5·01	Nil	37·87	45· 0	Gopalgunge.	Sarun.	
...	...	...	...	...	...	...	...	...	...	...	Nil	3·8	Nil	3·51	Nil	41·63	45·40	Sewan.		
...	...	...	...	...	...	...	...	...	...	...	Nil	3·8	Nil	2·93	Nil	36·82	39·36	Chuprah.		

Table of Rainfall recorded at Station

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH BEHAR	Shahabad ...	Buxar ...	...	...	0·60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dehree ...	...	...	1·36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhubooah ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sasseram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arrah ..	...	...	0·18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mohaniah ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gya ...	Aurungabad...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gya ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nowadah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad ...	...	...	0·08	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arwal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudnagar .		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheerghati ..		...	0·62	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rajauli ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pakri Barawan.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Patna ...	Patna ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinapore ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Behar		...	0·28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barh ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bickram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hilsa ...	...	...	0·15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr ..	Begooserai ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr ...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamui ...	...	...	0·14	...	...	...	...	...	...	...	...	...	...	...	0·22	...	...	...	...	...
		Gogri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheikpura ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South Bhagulpore.	Bhagulpore ...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banka ...	...	...	1·25	...	...	...	...	...	...	...	...	...	...	...	1·13	...	...	...	...	...
		Kolgong	...	...	...	...	...	0·80	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sonthal Perguunahs.	Rajmehal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Godda ...	...	...	...	0·70	...	...	...	...	...	...	...	...	...	0·03	...	...	...	...	...	...
		Pakour	...		...	0·52	...	0·69	0·19	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nya Doomka	...		0·10	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Deoghur ...	...	...	0·03		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamtara ...	...	...	...	0·35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Moh[illegible] ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nanihat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ..	...	...	0·48	2·97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hazaribagh ...	...	...	0·27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sentagurh .	...	0·80	...	0·16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mahudi Hills	...	1·66	...	0·41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jhoomrah Hills	...	...	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barhi ...	...	0·34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chatra ..	...	...	0·80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Karagdiha ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ramghar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lohardugga...	Lohardugga ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ranchi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Palamow ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Silli ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Baumat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hoseinabad...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Garwah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Singbhoom ..	Chyebassa ...	...	...	...	...	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chakradharpore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ghatsila ..	...	...	...	...	0·28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bamaragura..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Manbhoom ..	Purulia .	...	...	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gobindpore ..	...	...	0·25	0·48	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raghunathpore	...		1·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		[illegible]	...	...	0·09	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		[illegible] ...																				
		[illegible] ..																				

in Bengal for the month of October 1888—*concluded.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st Oct. 1888.	Average rainfall from 1st January up to 31st Oct. 1888.	Station.	District.	Meteorological division.
...	......	...	...	...	...	...	...	...	...	...	1	4·0	0·60	3·20	0·60	41·93	38·05	Buxar ...	Shahabad.	SOUTH BEHAR.
...	......	...	...	...	...	...	...	...	...	...	1	4·4	1·36	2·98	1·36	44·86	40·31	Dehree.		
...	......	...	...	...	...	...	...	...	...	...	Nil	2·5	Nil	3·11	Nil	40·87	42·24	Bhuboosh.		
...	......	...	...	...	...	...	...	...	...	...	Nil	3·4	Nil	3·48	Nil	43·26	41·83	Sasseram.		
...	......	...	...	...	...	...	...	0·25	...	...	1	4·7	0·43	2·94	0·25	43·96	44·60	Arrah.		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	35·28	?	*Mohaniah.*		
...	......	...	...	...	...	...	...	0·71	...	...	1	3·2	0·71	2·64	0·71	53·69	43·58	Arungabad ...	Gya.	
...	......	...	...	...	...	...	...	0·40	...	...	1	4·2	0·40	2·34	0·40	51·97	40·76	Gya.		
...	......	...	...	...	...	...	...	...	...	...	Nil	3·9	Nil	2·50	Nil	69·26	41·89	Nowadah.		
...	......	...	...	...	...	...	...	...	...	...	1	3·9	0·03	3·33	0·03	45·96	42·36	Jehanabad.		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	39·11	?	*Arwal.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	42·91	?	*Daudnagar.*		
...	......	...	...	...	...	...	...	...	...	...	1	?	0·62	?	0·62	35·34	?	*Sheerghati.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	27·93?	?	*Rajauli.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	37·88	?	*Pakri Barawan.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	4·5	Nil	2·81	Nil	30·88	41·51	Patna ...	Patna.	
...	......	...	...	...	...	...	...	...	...	...	Nil	3·7	Nil	3·00	Nil	42·47	42·18	Dinapore.		
...	......	...	...	...	...	...	...	...	...	...	1	4·6	0·28	3·00	2·28	52·44	43·89	Behar.		
...	......	...	...	...	...	...	...	...	...	...	Nil	3·6	Nil	3·03	Nil	53·17	42·00	Barrh.		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	37·90	?	*Bickram.*		
...	......	...	...	...	...	...	...	...	...	...	1	?	0·15	?	0·15	46·47	?	*Hilsa.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	4·2	Nil		Nil	46·41		Begooserai ...	Monghyr.	
...	......	...	...	...	...	...	0·03	...	...	...	1	4·7	0·03	3·81	0·03	54·15	45·37	Monghyr.		
...	......	...	...	...	...	...	0·72	...	...	...	3	3·8	1·8	2·53	0·72	50·06	44·98	Jamui.		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	58·70	?	*Gogri.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	59·03	?	*Sheikpura.*		
...	......	...	...	...	...	...	0·07	...	...	...	1	4·4	0·07	3·93	0·07	55·12	47·39	Bhagulpore ...	South Bhagulpore.	
...	......	...	...	...	...	...	...	0·07	...	...	3	4·4	2·45	3·43	1·25	40·37	45·40	Banka.		
...	......	...	...	...	...	...	...	0·07	...	...	2	?	0·87	?	0·80	51·32	?	*Kolgong.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	4·6	Nil	3·03	Nil	46·83	55·40	Rajmehal ...	Sonthal Pergunnahs.	
...	......	...	...	...	...	...	...	0·10	...	...	3	4·2	0·83	2·94	0·70	48·82	47·66	Godah.		
...	......	...	...	...	...	...	...	...	0·05	...	4	6·1	1·45	4·17	0·69	63·80	60·07	Pakour.		
...	......	...	...	...	...	...	...	0·13	1·11	...	4	6·7	1·51	3·88	1·11	53·11	57·13	Nya Doomka.		
...	......	...	...	...	...	...	1·26	0·05	...	...	3	5·6	1·34	4·36	1·26	53·05	52·58	Deoghur.		
...	......	...	...	...	...	...	...	...	...	...	1	4·7	0·35	3·03	0·35	56·99	51·26	Jamtara.		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	?	?	*Mohagama.*		
...	......	...	...	...	...	...	...	0·65	...	...	1	?	0·65	?	0·65	28·07	?	*Nanihat.*		
...	......	...	...	...	...	...	0·70	...	...	...	3	5·7	4·15	3·21	2·97	56·53	50·58	Pachamba (*Giridi*) ...	Hazaribagh ..	CHUTIA NAGPUR.
...	......	...	...	...	...	...	0·11	0·65	...	...	2	6·9	1·03	3·29	0·65	56·53	49·25	Hazaribagh.		
...	......	...	...	...	...	...	...	0·28	0·50	...	4	5·4	1·54	2·96	0·60	55·94	49·58	Semtagurah.		
...	......	...	...	...	...	...	...	...	...	...	2	4·1	2·07	3·91	1·86	57·04	56·01	Mahudi Hills.		
...	......	...	...	...	...	...	...	0·40	...	...	2	5·3	0·70	3·24	0·40	63·65	64·05	Jhoomrah Hills.		
...	......	...	...	...	...	...	0·50	0·20	...	...	3	?	1·04	?	0·50	50·98	?	*Barhi.*		
...	......	...	...	...	...	...	...	0·19	...	...	2	?	0·89	?	0·80	50·23	?	*Chatra.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	52·94	?	*Karagdeha.*		
...	......	...	...	...	...	...	1·95	...	...	...	1	?	1·95	?	1·95	48·16	?	*Ramghar.*		
...	......	...	...	...	...	...	0·35	...	...	...	1	9·0	0·35	2·31	0·35	49·75	51·40	Lohardugga ..	Lohardugga.	
...	......	...	...	...	...	...	0·07	0·28	...	...	2	5·6	0·35	3·05	0·28	55·48	49·66	Ranchi.		
...	......	...	...	...	...	...	...	...	...	...	Nil	4·1	Nil	3·66	Nil	52·80	44·02	Palamow.		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	?	?	*Silli.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	?	?	*Balumat.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	?	?	*Hoseinabad.*		
...	......	...	...	...	...	...	0·20	...	...	...	1	?	0·20	?	0·20	48·62	?	*Garwah.*		
...	......	...	...	...	...	...	...	...	...	...	1	6·6	0·05	2·94	0·05	43·60	54·39	Chyebassa ...	Singhbhoom.	
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	?	?	*Chakradharpore.*		
...	......	...	...	...	...	...	...	...	...	...		?	0·28	?	0·28	58·34	?	*Ghatsila.*		
...	......	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	62·42	?	*Baharagura.*		
...	......	...	...	...	...	...	...	...	...	...	1	6·4	0·05	3·60	0·05	60·04	50·39	Purulia .	Manbhoom.	
...	......	...	...	...	...	...	...	...	0·39	...	3	5·5	1·12	4·00	0·48	37·07	47·04	Gobindpore.		
...	......	...	...	...	...	...	...	...	...	...	1	?	1·20	?	1·20	56·62	?	*Raghunathpore.*		
...	......	...	...	...	...	...	...	...	...	...	1	?	0·09	?	0·09	53·74		*Barrabhoom.*		
																		Jhalda.		
																		Chas.		

SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF OCTOBER 1888.

OCTOBER is the month in which, as a rule, the south-west monsoon entirely retreats from the province of Bengal, and its place is taken by the north-east monsoon, which slowly and gradually establishes itself over the province The south west monsoon, in its gradual retreat southwards, is followed by the northerly wind current, and over the area of interaction light and variable winds prevail. As this interaction in normal years takes place for a portion of the month over Bengal, winds over the province are usually light and variable; but as the south-west monsoon retreats over the Bay, conditions become favourable for the formation of cyclonic storms, and it is in October that the largest and fiercest cyclones are formed, for during this month most of the conditions are favourable for their production on an extensive scale These storms differ widely in different years in their nature and in their line of march, and they sometimes travel towards Bengal, and in other cases they cross the peninsula and pass into the Arabian Sea.

The general rainfall, due to the continuance of the south-west monsoon over Bengal, usually ceases during the first and second weeks in October, but even after this time local showers may fall After the second week of October any rainfall which is brought up to Bengal is usually due to the formation and movement of cyclonic storms in the Bay, and it will evidently depend on the direction of their march and on the nature of such storms whether any rain at all is received in the latter half of October; and if any is received, the amounts will vary with the nature of the storm.

The rainfall of October in normal years is consequently due to two distinct causes, and as the second is, from its nature, an extremely variable and uncertain one, the average distribution of rainfall in October is decidedly more irregular than in the previous monsoon months, and also in any particular year its actual distribution may be of an extremely capricious character. The normal distribution of rainfall in October can therefore only be described with approximate accuracy. The average rainfall in Behar (with the exception of the Purneah and North Bhagulpore districts) and Chutia Nagpur (excluding the districts bordering on South-West Bengal) varies from two and a half to four inches. The amount is least in the Gya district. Rainfall varies from four to six inches in the case of the previously excepted districts, the western districts of Orissa, and the whole of Bengal, excluding the Julpigoree district, and a narrow strip extending along the coast and bounded on the north by a curved line running through Cuttack, Jajpore, Diamond Harbour, Port Canning, Chandpore and Chittagong Over this long narrow area, the width of which varies from 20 to 60 miles, the average rainfall exceeds six inches.

The principal features to be considered, therefore, in the meteorology of October, are the date of the retreat of the south-west monsoon from the province, and the nature and the direction of movement of the cyclonic storms formed in the Bay

Meteorology of the month – At the close of September weather in Bengal was similar to that which usually obtains at the close of the monsoon rains, and the monsoon current had to a great extent retired from the province at a date about ten days or a fortnight earlier than usual The period of transition when light and variable winds obtain in Bengal had also been remarkably short The rains proper, which are brought up by the usual south-west monsoon humid current, had thus practically ceased, and the usual heavy local showers which fall during the retreat of this current had been almost absent. For the last few days of September and at the commencement of October, winds in Bengal were northerly and north-westerly, and fine weather was generally reported. From the 1st of October, however, certain changes took place in the Bay which resulted in the formation of a cyclonic storm of moderate intensity The history of this storm is shortly as follows:—

Cyclonic storm of October 1st to 9th —This storm appears to have formed some little distance to the south-west of Diamond Island on the 1st of October. On the morning of the 2nd it had not altered its position, but it had commenced to intensify rather rapidly. Again up to the morning of the 3rd it remained almost stationary, and the wind velocities at Diamond Island and on the South Burma coast showed that it was even at this time a storm of considerable intensity. On the morning of the 4th the storm was found to have moved in a north-westerly direction, and it was on this day about the middle of the Bay and to the west-north west of Diamond Island. On the 5th the storm had advanced further in a north-westerly direction, and it was off the South Orissa coast to the east or east-south-east of Gopalpore. On the 6th the direction of the movement of the storm had changed, and it had commenced to recurve, and the centre was to the south of Saugor Island and to the east of False Point On this day the storm centre was probably not more than about 100 miles from land, and the intensity of the storm was apparently not greater than it had been when it was in the neighbourhood of Diamond Island. The usual history in the case of these storms is that they very rapidly increase in intensity as they advance up the Bay, but the subsequent history of the storm appears to show that this rapid intensification from some cause or other did not take place in this storm to the usual extent. Up to the morning of the 6th also the rate of movement of the storm had been exceedingly small, but from the time when the storm commenced to recurve and to move in a north-easterly direction, its movement became much more rapid, and the storm centre crossed the coast of the Sunderbuns almost midway between Saugor Island and Chittagong about midnight on the 6th, and on the morning of the 7th at 8 A.M the storm was well to the north-east of Dacca. On the 8th the storm had probably passed into the hills to the north of Assam, and on the 9th it had quite

broken up, and disappeared. The storm was accompanied by very strong winds and very stormy weather at sea, particularly to the east and south of the centre, but as it crossed the coast it broke up very rapidly, giving very heavy rain and strong winds to the south-east of Bengal.

During the formation of the storm, and in its north-westerly advance towards the Orissa coast, rain showers were rather numerous in that district and in South-West and East Bengal. As a rule, these showers were not very heavy, but a few stations reported amounts of one and two inches. When, however, the storm commenced to pass inland the rainfall in the districts affected by it became particularly heavy, and thus on the 6th Bhola and Bauphal, in the Backergunge district, each received more than 10 inches, while Cox's Bazar and Kutubdia each received six inches, and at several stations falls of four and five inches were reported. On the 7th, also amounts of five inches and above were received at Barisal, Noakholly, Ramganj, Laksham and Durgapur, but from this date rainfall very rapidly diminished, and in fact almost ceased, over the province.

The inrush of moist winds following in the rear of the storm was very much less powerful than usual. In the case of most storms of this character, a wave of moist winds with moderate to heavy rainfall would have spread over the whole province, but unfortunately the heavy rainfall was confined strictly to the immediate path of the storm, and the effects of the storm scarcely reached North Bengal, and only the Julpigoree, Cooch Behar and Darjeeling hill districts and part of Purneah received rainfall due to the general disturbed conditions on about the 13th and 14th.

Following on the disappearance of this storm from about the middle of the month, a rapid increase in the barometric pressure took place over the province, and the distribution of pressure became such as to entirely change the conditions prevailing over Bengal and the Bay, and even at this early period the conditions became those which immediately precede the cold weather. The usual conditions in fact became almost reversed, and pressure became relatively high over Bengal and relatively low over the Bay. This was followed by the setting in of northerly winds, the winds being more or less westerly at the western stations, and north-easterly at the eastern stations. Temperature, therefore, fell. Humidity rapidly decreased, and the sky became lightly clouded, and up till the close of the month, except for disturbed conditions on the 28th and 29th in parts of Behar and Chutia Nagpur, which gave fairly general rain in South Bhagulpore, Sonthal Pergunnahs and Hazaribagh districts, and showers in Lohardugga, Manbhoom, Monghyr, Shahabad, Gya Julpigoree and Darjeeling districts, weather was generally fine with passing clouds, and the whole province was practically rainless up till the 31st, when general rain commenced to fall over the greater part of Orissa.

The rainfall in Orissa at the close of the month was brought about by the formation of a severe cyclone in the Bay, which passed over Madras on the night of the 31st. The history of this severe storm, which has been previously given in the usual weekly reports, is as follows:—

Cyclone of October 29th to November 6th.—During the last week of October fine weather prevailed in Bengal and at the head of the Bay, and conditions were favourable for the north-east monsoon. In the centre and south of the Bay a moderate monsoon only was blowing, north-easterly winds being generally reported on the Madras coast, and moderate to heavy rain at most of the coast stations. Conditions were to a great extent unchanged on the 27th, except that winds on the Madras coast became more westerly, and the area of heaviest rainfall was transferred to Ceylon. On this day there were no signs whatever of the formation or existence of any storm in the Bay. On the 28th there was a considerable increase in the wind velocities at the stations in the east of the centre of the Bay, and pressure began to fall briskly along the Madras coast, but still there was no evidence of the existence of any depression in the Bay. Almost similar conditions continued on the 29th, and it is evident that a depression was forming to the west of the centre of the Bay, though the west coast stations still showed no signs of its existence. On the morning of the 30th, the wind directions on the Madras coast from Vizagapatam southwards formed part of a cyclonic circulation, while the Ceylon stations commenced to show a rather powerful indraught. The centre of the depression, as judged by the coast observations on this day, was some distance off the coast to the east or east north-east of Madras. During this day the storm rapidly intensified, and on the morning of the 31st October, it was a well-defined cyclonic storm, the centre of which was perhaps 80 or 100 miles to the east of Madras. The cyclone during the 31st continued to drift towards Madras, and the centre passed almost over that station at about 10 P.M. on this day, when a pressure slightly below 29 inches was recorded. The cyclone was an exceedingly fierce one, and must have done much damage, but the main force of the storm, so far as observations have been received, appears to have expended itself near Madras, and the central calm passed probably only a few miles to the south of that station. A severe gale of wind with high sea however, prevailed along the whole of the west coast from Coconada southwards, though the storm does not appear to have made itself much felt as far south as Negapatam. The cyclone on striking the coast was apparently moving almost due westerly, and it rapidly advanced inland quite unbroken; and at 8 A.M. of the 1st November, the centre was not far from Cuddapah; while on the morning of the 2nd, the storm had advanced across the Peninsula, and the centre was crossing the west coast near Mangalore into the Indian Ocean. In its advance across the Peninsula, the storm gave cyclonic winds and very heavy rain, which disturbed conditions afterwards commenced to drift in a northerly condition.

The storm having passed out to sea near Mangalore, then continued its advance in a north-westerly direction. On the 3rd the centre was probably opposite the Bombay coast

between Karwar and Goa. On the 4th it was nearly opposite Bombay; on the 5th it had become very feeble, and was drifting towards the Kattiawar coast, and on the 6th it practically filled up and disappeared.

The disturbed conditions brought about by the storm were very general, and they affected the weather even as far as Orissa; and from the 30th and 31st rain showers became rather frequent, particularly in the southern districts of Pooree and Cuttack; but up to the close of the month the effects of the cyclone had not made themselves felt in any way in South Bengal beyond the fact that the sky had commenced to cloud over.

The principal points in the meteorology of October have, therefore, been the very early cessation of the south-west monsoon rains and the formation of two rather severe cyclones, one of which crossed the Sunderbuns, and the other which passed over Madras.

Pressure.—The variations of pressure during the month have been rather large. In the first instance, pressure fell rapidly in the south and south-east of the province in connection with the first cyclonic storm, and this storm having filled up, a very rapid rise of pressure took place; so that for the greater part of the remainder of the month it was above the normal. For the whole period, therefore, pressure has been in excess of the normal over the entire province, the average excess having been 0·046 inch. This excess was very evenly distributed. In Assam a mean excess of 0·04 inch has been registered

Temperature.—The mean temperature of the whole month has not shown much variation from the normal. The largest variation is an excess of one degree in South Behar, but in other districts the variations are less than half a degree. In North Bengal, North Behar, and Chutia Nagpur temperatures have been in slight excess, and in East Bengal in slight defect; while Orissa and South-West Bengal show normal temperatures. For the whole province the average variation of the mean temperature of the month from the normal has only been an excess of a fifth of a degree. In Assam the mean temperature has been a tenth of a degree above the normal.

Rainfall.—Practically the only rainfall in the province has been that brought up at the commencement of the month by the cyclonic storm previously described. This gave the heaviest falls in the south-eastern and southern districts, and thus the stations in East Bengal received an average fall of 4·75 inches, or an amount nearly equal to the normal. In South-West Bengal and Orissa the falls have averaged only about one and-a-half inches, or from a third to a fourth the normal falls. In Chutia Nagpur an average fall of only one inch is recorded, or again about a third of the normal amount In North Bengal the fall has averaged 0·77 inch, or about a sixth of the usual quantity, and in South Behar the fall has equalled 0·54 inch, or again about a sixth of the normal fall. Finally, North Behar has been practically rainless throughout the month. The rainfall generally in Bengal in October has thus been a mere fraction of the normal amount, and, further, the falls have been practically confined to the early part of the month, and thus the rain, in addition to being extremely deficient in amount, was not even well distributed as to time, and has certainly done less good than if it had been spread over a longer period.

The following table gives a comparison between the actual monthly and total rainfall and the normal rainfall of the province up to the end of October in the same form that has been employed in previous monthly abstracts of the present year. The figures represent the ratio of the rainfall of each month of the present year to the normal rainfall expressed as a percentage. The table thus gives a condensed summary of the rainfall data of the year for each meteorological division. The first ten columns give the percentage amount of rainfall received in each month, and the last column the percentage rainfall of the whole period from the 1st of January to the end of October.—

METEOROLOGICAL DIVISION	January	February	March.	April.	May.	June.	July.	August.	September	October	Actual rainfall of first ten months of 189[illegible] expressed as a percentage of the normal fall for the period.
Orissa	410	193	41	46	92	30	81	185	89	24	92
South-West Bengal	207	125	67	141	68	57	131	167	77	34	101
East Bengal	258	109	119	221	90	53	120	133	70	88	101
North Bengal	58	72	122	180	96	69	100	87	55	17	79
North Behar	79	1	132	348	102	61	130	118	65	Nil	94
South Behar	157	17	19	69	59	59	135	169	81	16	105
Chutia Nagpur	235	104	5	24	39	30	128	134	81	34	95

The extreme lightness of the rainfall in October is clearly shown in the table, for, with the exception of East Bengal, which has recorded a fall of 88 per cent., all other districts show percentages of from 34 down to zero. Taking the various divisions as having an equal value in the calculation, the rainfall of the whole province may be said to have equalled 30 per cent. of the normal quantity.

Even though the province generally shows this extremely large defect, there are districts in which even an excess fall is registered. This is the case in South-East Bengal, where the precise line of march of the cyclonic storm is shown as an area of considerable excess rainfall. This area thus includes parts of the following districts:—Backergunge, Noakhelly, Tipperah and Chittagong. Slight local excess falls have also been reported at Kishnaghur and Giridi. The greater part of the province, however, shows a defective fall of at least from 2 to 4 inches, and a considerable area shows defects of from 4 to 6 inches.

The following table gives full data of the comparison of the actual and normal rainfall of the month of October in all districts of the province. The figures are obtained in the manner explained in preceding monthly summaries. The first column gives the average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the actual weighted rainfall of the month at the reporting stations in the district. The third column expresses the ratio of the actual district rainfall to the normal district rainfall expressed as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states by what percentage the actual rainfall varied in excess (+) or in defect (—) from the normal fall :—

Percentage Table for October 1888.

Division.	District.	Normal district rainfall for October.	Actual district rainfall for October 1888.	Percentage of actual to normal rainfall.	Percentage excess (+), defect (—).
Orissa ...	Pooree ...	7·42	1·99	27	— 73
	Cuttack ...	6·69	1·27	22	— 78
	Balasore ...	5·36	1·49	28	— 72
South-West Bengal	Midnapore ...	5·26	1·94	37	— 63
	24-Pergunnahs ...	4·46	2·23	50	— 50
	Howrah ...	3·65	2·04	56	— 44
	Hooghly ...	4·07	1·99	49	— 51
	Burdwan ...	4·16	0·63	10	— 90
	Bankoora ...	3·77	0·93	25	— 75
	Beerbhoom ...	3·41	0·49	14	— 86
	Nuddea ...	4·17	1·90	46	— 54
	Khoolna ...	4·62	1·34	29	— 71
	Jessore ...	4·46	1·39	31	— 69
	Moorshedabad ...	4·37	1·80	41	— 59
East Bengal	Chittagong ...	6·60	6·16	93	— 7
	Backergunge ...	5·62	8·00	142	+ 42
	Noakholly ...	7·37	15·16	206	+106
	Furreedpore ...	4·24	0·89	21	— 79
	Dacca ...	4·61	1·45	31	— 69
	Commilla ...	5·26	5·10	97	— 3
	Mymensingh ...	5·32	3·27	61	— 39
North Bengal ..	Pubna ...	4·4[illegible]	0·97	22	— 78
	Bogra ...	4·31	0·44	10	— 90
	Rajshahye ...	4·53	1·30	31	— 69
	Maldah ...	3·62	1·49	41	— 59
	Dinagepore ...	3·41	0·60	18	— 82
	Rungpore ...	4·46	0·36	8	— 92
	Cooch Behar ...	4·99	0·94	20	— 80
	Julpigoree ...	5·25	1·25	24	— 76
	Darjeeling ...	6·10	0·08	1	— 99
North Behar	Purneah ...	3·43	0·06	2	— 98
	North Bhagulpore ...	3·36	Nil	Nil	Nil
	Durbhunga ...	2·72	Nil	Nil	Nil
	Mozufferpore ...	3·03	Nil	Nil	Nil
	Chumparun ...	3·46	Nil	Nil	Nil
	Sarun ...	3·74	Nil	Nil	Nil
South Behar	Shahabad ...	3·19	0·23	7	— 93
	Gya ...	2·58	0·33	13	— 87
	Patna ...	2·97	0·11	5	— 95
	Monghyr ...	3·13	0·44	14	— 86
	South Bhagulpore ...	3·64	1·43	39	— 61
	Sonthal Pergunnahs ...	3·62	1·01	28	— 72
Chutia Nagpur ...	Hazaribagh ...	3·26	2·07	63	— 37
	Lohardugga ...	2·47	0·22	9	— 91
	Singbhoom ...	2·94	0·05	2	— 98
	Manbhoom ...	3·68	0·26	7	— 93

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of October 1888 :—

Meteorological Divisions.	Temperature.						Rainfall.							
	Highest observed during month	Lowest observed during month	Averages for month.			Average mean of month above or below normal mean of month	Of month.			Rainy days.			Since 15th May.	
			Of highest of each day	Of lowest of each day	Of mean for each day		Average	Normal average	Variation	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	95 4*	62 7*	89 3*	73 2*	81·3*	0	1 47	6 14	—4 67	3 1	8 1	—5 0	47 67	51·35
South-West Bengal	93 0	63 2	89 3	73 7	81 0	0	1 49	4 35	—2 86	2 5	6 7	—4 2	53·05	50·97
East Bengal	93 3	65·1	87 4	72 8	80 1	—0 3	4 75	5 41	—0·66	3 8	7 7	—3 9	70 19	72·32
North Bengal	93 3†	62 5†	88 5†	71 1†	79 8†	+0 4	0 77	4 60	—3 83	1 8	5 8	—4 0	52·62	69·68
North Behar	95 8	65 4	88 3	70 1	79 2	+0 3	0 01	3 58	—3 57	0 1	3 7	—3 6	41 41	47·97
South Behar	97 5	61 0	89 9	70 2	80 1	+1 0	0 54	3 32	—2 78	1 3	4 3	—3 0	47·62	49·90
Chutia Nagpur	87 0‡	60 4‡	84 [illegible]‡	65 3‡	75 4‡	+0 4‡	1 04	3 08	—2 04	2 0	5 9	—3 9	49·76	48·[illegible]
Assam	95 6	63 8	87 2	71 2	79 2	+0 1						..		

* Pooree not included
† Dinagepore not included
‡ Chyebassa not included

METEOROLOGICAL OFFICE, BENGAL,
The 13th November 1888.

A. PEDLER,
Offg. Metgcl. Reporter to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of October 1888.

	Inches.	Date.	Hour.
The mean pressure of the month	29 879		
The average pressure of October from 24 years' registers ...	29 832		
The highest pressure in the month	30 090	25th	10h.
The lowest pressure in the month	29 638	6th	16h.
The range of pressure	0·452		
	Hours.		
The total number of hours of bright sunshine during the month	257 1		
The maximum possible number of hours of sunshine ...	359·1		
	⊖		
The mean temperature of the month	79·6		
The average temperature of October from 24 years' registers ...	81·5		
The highest temperature in the month	91·4	2nd.	
The lowest temperature in the month	66 9	21st.	
The range of temperature during the month	24·5		
The mean daily range of temperature	14·2		
The greatest range of temperature in one day	19·1	20th.	
	Per cent.		
The mean humidity of the month	81		
The average humidity of October from 24 years' registers ...	79		
	Inches.		
The mean vapour tension of the month	0·812		
The average vapour tension of October from 9 years' registers...	0·854		
The mean cloud proportion of the month	2 50		
The average cloud proportion of October from 11 years' registers	4·12		
	Inches.		
The total rainfall of the month	2·51		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the guage about 52 feet above the ground)	2 38		
The average fall of October from 48 years' registers ...	5·61		
The greatest fall in 24 hours	1·12	6th.	
	Days.		
The number of rainy days in the month	4		
The average number of rainy days in October from 24 years' registers	10		
	●		
The mean maximum equilibrium temperature of solar radiation during the month	143 5		
The mean difference of sun and air temperatures	56 4		
The greatest sun temperature ...	153·7	2nd.	
The greatest excess of sun over air temperature	63·2	13th.	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	67 5		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	5·4		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	8 0	20th.	
	Miles.		
The mean movement of the wind per day	35·1		
The greatest movement of the wind in one day	165·0	7th.	
The greatest movement of the wind in one hour	13 0	2nd, 4 to 5 P.M.	

The number of hours with winds from each of the 8 points—

N. 109, NE. 61, E. 30, SE. 15, S. 4, SW. 49, W. 83, NW. 54, Calm 339.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0·8 lower and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 7th November 1888.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air Pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa.	Pooree	Pooree	29·967	29·979	—	NE	130	84·7	9th Nov.	70·2	7th Nov.	83·3	71·5	76·9	—	75·2
		Gopalpore	29·958	30·008	+·010	Northerly	199	82·2	5th "	72·8	6th "	79·8	74·6	77·2	0	78·0
		False Point	29·962	30·004	—·008	NNE	141	84·9	3rd, 4th "	71·1	6th & 8th Nov.	82·3	72·8	77·6	+1·0	79·8
	Cuttack	Cuttack	29·929	30·011	+·006	Calm	41	85·8	9th "	70·7	9th "	83·5	73·0	78·3	+0·3	80·0
	Balasore	Balasore	29·962	30·022	0	N	92·0	87·4	3rd "	67·8	5th "	83·8	70·1	77·0	+2·3	79·8
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·995	30·022	+·006	NE	171	88·2	3rd "	67·4	4th "	86·8	72·6	78·2	+0·9	78·5
	Midnapore	Midnapore	29·879	30·052	+·014	N	53·4	88·3	3rd "	68·2	3rd & 5th Nov.	84·6	69·9	77·3	+3·6	79·7
	24-Pergunnahs, Howrah, Hooghly	Calcutta	30·001	30·023	+·026	NNE	34	84·5	3rd "	68·2	3rd "	82·5	70·1	76·3	+0·3	77·8
	Burdwan	Burdwan	29·920	30·021	+·003	NW	18·3	87·6	9th "	67·9	6th, 9th Nov.	85·4	69·2	77·3	+0·9	78·4
	Bankoora	Bankoora	29·716	—	—	Variable	32	86·6	3rd "	67·2	8th "	84·4	69·1	76·8	—	79·5
	Beerbhoom, West Burdwan	Raneegunge	29·893	30·008	+·022	North-easterly	33·7	87·5	3rd "	67·0	8th "	85·6	68·7	77·2	+2·8	76·6
	Moorshedabad	Berhampore	29·968	30·032	+·015	NNW	33·1	85·6	9th "	65·2	4th "	84·2	67·1	75·2	—1·7	76·7
	Nuddea	Krishnaghur	29·983	30·050	+·039	N	41·6	85·9	4th, 9th "	64·8	3rd "	84·3	67·9	76·1	+1·0	79·1
	Jessore, Khoolna	Jessore	29·993	30·027	+·025	Northerly	36·3	87·2	9th "	67·5	3rd & 4th Nov.	83·2	69·7	77·5	+0·2	80·1
East Bengal.	Chittagong	Chittagong	29·917	30·007	+·002	NE	21	88·1	6th "	66·0	9th "	84·9	71·5	78·2	+0·9	80·6
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29·994	30·006	+·040	NNE	28·3	86·3	4th Nov.	68·9	4th & 9th Nov.	83·9	71·2	77·6	+2·1	80·6
	Noakholly	Noakholly														
	Furreedpore	Furreedpore	29·992	30·032	+·065	NNE	32·7	83·5	4th, 5th, 9th Nov.	67·4	3rd & 5th Nov.	82·6	68·7	75·6	+1·0	78·4
	Dacca	Dacca	29·983	30·006	+·026	Calm	17	86·6	9th "	66·2	9th "	84·4	68·7	76·5	—1·3	79·7
	Commillah	Commillah	29·970	30·000	+·035	NE	13·7	86·4	3rd "	64·9	9th "	84·7	69·5	77·1	+1·4	80·1
	Mymensingh	Mymensingh	29·96?	30·019	+·035	Calm & NE	32·5	83·9	4th & 6th Nov.	64·1	4th & 8th Nov.	82·8	64·6	73·7	—0·9	77·2
North Bengal.	Bogra	Bogra	29·933	30·002	—	Calm & Northerly	20·3	85·8	4th "	61·4	5th "	83·9	63·3	73·6	—	79·6
	Pubna	Seraigunge	29·970	30·017	+·022	N, NE	19·4	84·2	4th, 6th, 8th Nov.	62·3	5th "	83·4	64·1	73·8	—0·3	77·6
	Rajshahye	Rampore Beauleah	29·957	30·028	+·046	NNE	74·3	85·3	4th "	62·7	4th "	83·0	66·3	74·7	+2·7	77·9
	Maldah	Maldah														
	Dinagepore	Dinagepore	29·883	30·005	+·028	NNE	22·3	85·1	4th "	59·7	7th "	83·6	61·8	72·7	+0·1	80·0
	Rungpore	Rungpore	29·887*	30·015*	—·013*	NE	37·2	85·8	4th "	59·7	7th & 9th	83·8	64·8?	74·3?	+2·1?	77·3
	Julpigoree, Cooch Behar	Julpigoree	29·736?	30·029?	+·001?	Easterly	186·5?	88·9	4th "	60·9	7th, 8th, 9th Nov.	83·9	62·5	72·8	+0·4	77·6
	Darjeeling Hill Tracts	Darjeeling	23·074	—	—·063	Variable	85·0	58·6	3rd "	41·2	8th "	56·6	42·9	49·8	+0·3	51·2
North Behar.	Purneah, North Bhagulpore	Purneah	29·908	30·033	+·132	Calm	23·8	85·2	4th "	54·8	3rd, 4th, 7th Nov.	83·9	56·8	70·4	—3·6	76·8
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga	29·880	30·042	+·048	NW	28·0	81·4	3rd Nov.	63·4	5th "	80·5	64·5	72·5	—0·7	75·0
	Chumparun	Motihari	29·787	29·889	+·030	Calm	51·0	87·2	4th "	54·9	7th "	86·1	55·8	70·9	+0·8	73·3
	Sarun	Chupra	29·519	30·015	—·001	E	20·8	85·0	7th "	59·9	4th "	81·9	63·2	72·6	—0·1	51·5
	Shahabad	Dehree	29·068	30·029	—·061	SSW	98·7	87·3	4th, 6th, 7th Nov.	61·0	9th "	86·4	64·1	75·3	+3·0	79·3
		Buxar	29·793	30·040	+·011	SE	63·8	87·4	7th "	59·4	9th "	86·0	63·7	74·9	+1·7	81·0
		Arrah	29·832	30·034	+·020	ESE	9·7	86·3	4th, 8th, 9th Nov.	57·8	9th "	85·7	61·0	73·4	+1·2	78·6
South Behar.	Gya	Gya	29·627	30·018	—·025	Calm	20·4	86·9	7th "	68·2	4th "	86·0	65·2	75·6	+1·5	78·1
	Patna	Bankipore	29·850	30·069	+·008	Easterly	30·1	86·4	4th "	60·8	9th "	86·2	64·4	74·9	+1·0	78·6
	South Bhagulpore, Monghyr	Bhagulpore	29·869	30·033	+·031	N	14·7	84·2	4th "	59·0	3rd "	83·0	62·4	72·7	+0·8	78·7
	Sonthal Pergunnahs	Doomka														
Chota Nagpore.	Hazaribagh	Hazaribagh	27·993	30·020	+·007	SE	99·7	80·9	4th "	61·8	5th "	79·0	63·4	71·2	+0·7	75·6
	Lohardugga, Manbhoom	Ranchee	27·803	30·023	+·013	SE	59·7	81·5	3rd, 9th Nov.	59·4	8th "	79·2	61·8	70·5	+2·4	73·3
	Singbhoom	Chyebassa														
Assam.	Sibsagar	Sibsagar	29·728	30·073	+0·5	NE	24	81·6	3rd "	59·8	6th "	79·7	60·9	70·3	—1·8	71·4
	Dhubri	Dhubri	29·915	30·036	+·013	ENE	134·5	84·2	4th "	62·9	7th "	82·4	64·8	73·6	—0·4	74·6
	Silchar	Silchar	?	?	?	Calm	37	87·5	4th, 7th Nov.	65·4	9th "	85·9	67·7	76·8	+0·1	79·3

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period or the last ten years. The *humidity* of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number ... are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past 21 ... the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

* Mean of 6 days.

or the week ending Friday, the of 9th November 1888

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week	Rainfall of week at observing station	District Observations — Rainfall — Of week: Mean for district	Of week: Normal mean	Since 1st of month: Mean for district	Since 1st of month: Normal mean	Since 1st of month: Variation	Since May 15th: Mean for district	Since May 15th: Normal mean	Since May 15th: Variation	Average number of rainy days	Normal number of rainy days	Representative station	District	Meteorological Division
88	8·9	6·77	3·59	0·88	4·97	1·38	+3·59	45·85	53·94	−9·09	4·3	1·0	Pooree ...	Pooree	Orissa
90	7·6	7·07											Gopalpore ...		
89	8·7	1·83											False Point ...	Cuttack	
73	7·3	1·41	1·96	0·31	1·46	0·55	+0·91	51·26	50·67	+0·59	4·6	0·4	Cuttack ...	Balasore	
77	6·9	0·14	0·62	0·40	0·39	0·61	+0·28	53·06	52·15	+0·91	1·7	0·4	Balasore ...	South-West Midnapore	
76	9·0	Nil	Nil	0·28	Nil	0·55	−0·55	54·89	61·46	−6·57	0·0	0·4	Saugor Island ...	South 24-Pergunnahs; Midnapore	South-West Bengal
66	4·6	Nil	Nil	0·13	Nil	0·17	−0·17	62·30	50·73	+11·57	0·0	0·3	Midnapore ..	24-Pergunnahs...	
70	9·1	Nil	0·20	0·16	0·20	0·25	−0·05	62·01	50·70	+11·30	0·6	0·3	Calcutta ...	Howrah ... ...; Hooghly ... ...; Burdwan	
67	7·7	Nil	0·17	0·17	0·17	0·30	−0·13	53·43	46·11	+7·32	0·4	0·3	Burdwan ...	Bankoora	
59	7·0	Nil	0·01	0·13	0·01	0·28	−0·27	51·43	51·53	−0·10	0·2	0·3	Bankoora ...	Beerbhoom	
59	6·4	0·07	0·36	0·11	0·36	0·13	+0·23	55·80	51·01	+4·79	1·0	0·3	Raneegunge ...	West Burdwan ...; Moorshedabad	
74	8·6	1·41	0·61	0·18	0·61	0·22	+0·39	46·75	49·91	−3·16	0·7	0·2	Berhampore ..	Nuddea	
64	7·9	Nil	0·16	0·24	0·16	0·29	−0·13	53·31	48·62	+4·69	0·4	0·3	Krishnaghur ...	Jessore	
67	7·9	Nil	Nil	0·17	Nil	0·29	−0·29	43·51	52·41	−8·90	0·0	0·3	Jessore ...	Khoolna ... ...; Chittagong	East Bengal
77	5·6	0·01	Nil	0·54	Nil	1·35	−1·35	125·77	111·79	+13·98	0·0	0·6	Chittagong ...	Chittagong Hill Tracts	
			Nil	0·91	Nil	1·44	−1·44	72·06	79·45	−7·39	0·0	1·1	Demagiri ...	Backergunge	
71	6·0	Nil	Nil	0·35	Nil	1·10	−1·10	72·15	75·65	−3·50	0·0	0·7	Barrisal ...	Noakholly	
			Nil	0·42	Nil	1·55	−1·55	107·50	104·71	+2·79	0·0	0·5	Noakholly ...	Furreedpore	
69	4·7	Nil	Nil	0·15	Nil	0·28	−0·28	46·91	55·34	−8·43	0·0	0·3	Furreedpore ...	Dacca	
69	7·1	Nil	0·02	0·14	0·02	0·46	−0·44	55·68	58·82	−3·14	0·2	0·3	Dacca .	Commillah	
71	3·9	Nil	Nil	0·23	Nil	0·55	−0·55	61·43	68·14	−6·71	0·0	0·4	Commillah ..	Mymensingh	
76	5·9	Nil	Nil	0·14	Nil	0·21	−0·21	66·39	66·63	−0·24	0·0	0·2	Mymensingh ...	Bogra	North Bengal
69	4·7	Nil	Nil	0·27	Nil	0·32	−0·32	48·80	56·67	−7·87	0·0	0·2	Bogra ...	Pubna	
73	7·6	Nil	Nil	0·17	Nil	0·25	−0·25	40·95	52·79	−11·84	0·0	0·3	Serajgunge .	Rajshahye	
71	4·7	Nil	Nil	0·18	Nil	0·20	−0·20	44·12	53·33	−9·21	0·0	0·2	Rampore Beauleah.	Maldah	
			Nil	0·16	Nil	0·16	−0·16	39·64	53·61	−13·97	0·0	0·2	Maldah ..	Dinagepore	
62	1·6	Nil	Nil	0·04	Nil	0·05	−0·05	45·21	56·83	−11·62	0·0	0·1	Dinagepore ...	Rungpore	
74	3·4	Nil	Nil	0·08	Nil	0·09	−0·09	55·05	73·52	−18·47	0·0	0·1	Rungpore ...	Julpigoree	
69	0	Nil	Nil	0·02	Nil	0·03	−0·03	85·77	110·98	−25·21	0·0	0·1	Julpigoree ...	Cooch Behar ... ...; Darjeeling Hill Tracts	
78	5·1	Nil	0·11	0·01	0·11	0·05	+0·06	97·75	120·00	−22·25	0·3	0·1	Darjeeling ...	Purneah	North Behar
68	2·4	Nil	Nil	0·03	Nil	0·03	−0·03	47·46	58·02	−10·56	0·0	0·1	Purneah ..	North Bhagulpore ...; Mozufferpore	
			Nil	0·04	Nil	0·04	−0·04	39·10	42·74	−3·64	0·0	0·1	Mozufferpore ..	Durbhunga	
63	1·1	Nil	Nil	0·02	Nil	0·02	−0·02	38·48	44·36	−5·88	0·0	0·1	Durbhunga ...	Chumparun	
55	4·4	Nil	Nil	Nil	Nil	Nil	0	40·77	45·91	−5·14	0·0	0·0	Motihari ...	Sarun	
46	2·6	Nil	Nil	0·03	Nil	0·03	−0·03	37·20	42·00	−4·80	0·0	0·1	Chupra ...		
49	1·6	Nil											Dumraon ...	Shahabad	South Behar
80	4·1	Nil	Nil	0·09	Nil	0·09	−0·09	41·90	38·89	+3·01	0·0	0·1	Buxar ...		
52	1·1	Nil											Arrah ...	Gya	
56	8·4	Nil	Nil	0·11	Nil	0·12	−0·12	48·80	40·57	+8·23	0·0	0·1	Gya ..	Patna	
51	5·7	Nil	Nil	0·09	Nil	0·10	−0·10	46·10	40·50	+5·60	0·6	0·1	Bankipore ...	South Bhagulpore ...	
58	0·7	Nil	Nil	0·10	Nil	0·11	−0·11	48·15	42·82	+5·33	0·0	0·1	Bhagulpore ...	Monghyr ... ...; Sonthal Pergunnahs...	
			0·03	0·10	0·03	0·11	−0·08	51·93	50·23	+1·70	0·2	0·2	Doomka ..	Hazaribagh	Chota
85	7·0	Nil	Nil	0·11	Nil	0·18	−0·18	55·98	49·58	+6·40	0·0	0·3	Hazaribagh ...	Lohardugga	
71	8·3	0·06	Nil	0·00	Nil	0·19	−0·19	49·94	47·81	+2·13	0·0	0·3	Ranchi ...	Manbhoom	
			Nil	0·09	Nil	0·14	−0·14	46·11	46·18	−0·07	0·0	0·3		Singbhoom ...	
			0·62	0·14	0·62	0·19	+0·43	40·46	50·54	−10·08	2·0	0·5	Chyebassa ...	......	Assam
60	5·3	Nil											Sibsagar	......	
79	3·6	Nil											Dhubri	......	
77	8·1	0·56											Silchar	......	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. [illegible] denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean [illegible]. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisions

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 9th of November 1888.

Meteorological division.	District.	Station.	Rainfall. Saturday, 3rd November.	Sunday, 4th November.	Monday, 5th November.	Tuesday, 6th November.	Wednesday, 7th November.	Thursday, 8th November.	Friday, 9th November.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	2·35	1·42	0·71	0·27	0·82	0·18	...	6	5·95	7·66	1·43	41·01	49·45
		Khurdah ...	0·83	0·15	3·64	0·20	...	...	0·08	5	4·90	5·53	1·03	44·20	55·13
		Banpur ...	1·23	0·13	0·14	...	0·21						1·43		48·41
		False Point ...	0·16	0·61	0·62	0·37	0·05	...	...	2	1·81	3·21	1·61	54·24	62·60
		Gop ...	0·50	1·48	2·06	...	0·10	0·52					?		?
		Pipli .	0·20	2·30	3·20								?		?
	Cuttack ..	Jagatsingpore	0·32	...	0·82	0·10	0·20						0·58		45·71
		Banki ...	0·03	0·21	0·77	0·12							0·47		48·61
		Cuttack ...	0·08	0·49	0·30	0·12	...	...	...	4	1·19	1·63	0·77	51·49	55·34
		Kendrapara ...	0·48	0·31	0·10	0·18	0·17	0·02	...	7	1·56	2·13	0·59	45·21	52·16
		Jajpore ...	...	...	0·13	0·03	0·14	0·42	...	4	0·72	0·72	0·34	59·38	52·57
		Dharmsala ...	0·12										?		?
		Salipore ...	1·10										?		?
	Balasore ...	Chandbali ...	...	0·22	1·15	...	0·23	...	0·10	4	1·70	2·00	1·07	50·97	50·79
		Bhuddruck ...	...	0·18	...	0·33	...	0·20	...	3	0·71	0·71	0·73	47·15	50·67
		Sorah ...	...	0·13	...	0·12	0·65	...	...	3	0·90	1·10	0·51	47·61	50·45
		Balasore ..											0·71		56·73
		Jellasore ..											0·25		51·93
		Baripodah ...											0·38		53·05
SOUTH-WEST BENGAL.	Midnapore ...	Contai .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·60	52·27	60·51
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	Nil	0·76	61·19	66·34
		Tumlook ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·28	64·80	50·47
		Midnapore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·20	63·85	47·92
		Ghattal ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·06	55·07	53·70
		Kukrahaty ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	64·89	?
		Heria ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51·63	?
		Bhagwanpore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	48·69	?
		Garbeta ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	64·16	?
	24-Pergunnahs	Diamond Harbour ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·28	56·49	57·53
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	Nil	?	55·17	?
		Alipore Jail ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·27	50·65	54·46
		Barrackpore ...	...	...	...	...	...	...	0·01	1	0·01	0·01	0·10	58·69	47·40
		Dum-Dum ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·17	62·30	50·74
		Baraset ...	...	...	...	...	0·09	...	0·84	2	0·93	0·93	0·24	63·85	48·29
		Busserhat ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·25	50·70	53·66
	Howrah ...	Howrah .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·27	63·52	51·17
		Mohesreka .. (*Oolooberiah.*)	...	...	...	...	...	...	...	Nil	Nil	Nil	0·32	58·23	51·03
	Hooghly ..	Serampore ...	...	...	...	...	...	...	0·55	1	0·55	0·55	0·16	63·59	40·35
		Hooghly ...	...	...	...	...	...	...	0·27	1	0·27	0·27	0·19	65·08	47·36
		Jehanabad ..	...	...	...	...	...	...	0·20	1	0·20	0·20	0·21	60·72	54·42
	Burdwan ..	Culna ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·34	56·48	43·59
		Burdwan ...	...	...	...	...	...	...	0·50	1	0·50	0·50	0·23	44·31	47·29
		Cutwa ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·28	58·77	47·19
		Raneegunge ..	...	...	...	...	...	...	0·07	1	0·07	0·07	0·13	56·47	48·00
		Mankur ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	42·08	?
	Bankoora ...	Bankoora ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·17	47·15	50·68
		Bishenpore ...	...	...	...	...	...	...	0·05	1	0·05	0·05	0·03	53·33	50·85
		Maliara ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·33	49·38	51·27
		Khatra ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·60	53·70	53·16
		Indas ...	...	...	...	...	...	...	0·13	1	0·13	0·13	?	40·93	?
		Kotalpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46·84	?
		Anda ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	37·81	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	Nil	?	55·21	?
		Raipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	54·57	?
		Sonamukhi ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	44·35	?
	Beerbhoom	Bh. Soory ...	...	...	...	...	...	...	0·46	1	0·46	0·46	0·11	52·49	53·12
		Hetampore ...	...	...	...	...	...	0·66	...	1	0·66	0·66	0·13	46·45	53·65
		Rampore Haut	...	...	...	...	...	...	0·24	1	0·24	0·24	0·16	66·04	50·72
		Bolpore ..	...	...	...	...	...	...	0·55	1	0·55	0·55	?	60·83	?
		Murarai ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
	Nuddea ...	Ranaghat .	...	...	...	...	...	...	0·03	1	0·03	0·03	0·36	58·09	46·29
		Kishnaghur ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·33	67·24	45·34
		Choondanga .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·43	51·08	50·32
		Meherpore ...	...	...	...	...	...	...	0·55	1	0·55	0·55	0·13	47·26	40·99
		Kooshtea .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·21	36·09	53·79
	Khoolna ..	Satkhira ..	...	...	...	...	...	...	0·03	1	0·03	0·03	0·26	37·52	54·16
		Bagirhat ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·45	49·97	60·36
		Khoolna ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·33	48·34	53·80
	Jessore ...	Narail ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·30	27·85	45·18
		Jessore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·24	54·14	53·40
		Jhenidah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·23	54·92	52·75
		Mugoorah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·16	41·37	47·81
		Bongong ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·26	47·80	51·02
	Moorshedabad	Kandi ...	...	...	...	...	...	...	0·42	1	0·42	0·42	0·32	49·56	49·48
		Berhampore ...	...	...	...	...	...	...	1·58	1	1·58	1·58	0·24	40·60	50·58
		Lalbagh ...	...	...	...	...	...	...	1·58	1	1·58	1·58	0·31	44·77	50·43
		Azimgunge ...											0·19		50·46
		Jungipore ...	...	...	...	...	...	...	0·07	1	0·07	0·07	0·08	44·92	46·49
		Lalgola ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·20	50·20	50·50
		Jiagunge ...	...	...	...	...	...	...	0·42	1	0·42	0·42	?	46·02	?
		Akhrigunj ...	...	...	...	...	...	...	0·18	1	0·18	0·18	?	46·16	?
		Patkabari ...	...	...	...	...	...	...	1·16	1	1·15	1·15	?	43·39	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·77	140·44	131·70
		Chittagong ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·92	105·08	91·95
		Kutubdia ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	116·99	?
		Satkania ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	91·41	?
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	0·06	0·03	...	...	2	0·09	0·09	1·43	74·85	81·98
		[illegible] ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·45	69·05	75·98
	Backergunge	Patuakhally ..	...	...	...	...	...	...	...	Nil	Nil	Nil	1·34	85·60	86·03
		Perozepore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·99	61·91	68·85
		Burrisal ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·92	65·15	66·32
		Bhola ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·16	74·49	80·22

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 9th of November 1888—contd.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 3rd November.	Sunday, 4th November.	Monday, 5th November.	Tuesday, 6th November.	Wednesday, 7th November.	Thursday, 8th November.	Friday, 9th November.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
East Bengal—contd.		*Gournaddi* ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	48·28	?
		Bauphal ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	98·35	?
	Noakholly	Noakholly .	...	...	...	...	...	...	...	Nil	Nil	Nil	1·49	106·90	108·24
		Fenny .	...	...	...	...	...	...	...	Nil	Nil	Nil	1·60	104·43	108·11
		Harishpore ...	...	...	...	...	0·29	...	...	1	0·29	0·29	?	129·82	?
		Ramganj .	...	...	...	...	...	...	...	Nil	Nil	Nil	?	87·91	?
	Furreedpore	Madaripore .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·28	44·06	54·91
		Furreedpore .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·27	51·51	55·64
		Goalundo	...	...	...	...	...	...	...	Nil	Nil	Nil	0·29	43·08	52·33
	Dacca ...	Munshigunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0·59	59·07	69·03
		Dacca .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·44	51·89	57·79
		Naraingunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0·14	61·89	59·73
		Manickgunge	...	...	...	...	...	0·07	...	1	0·07	0·07	0·35	45·45	49·35
		Joydebpore ...	...	...	...	...	...	0·01	...	1	0·01	0·01	?	58·49	?
	Hill Tipperah	Agartola ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·50	58·03	60.38
	Tipperah ...	Comilla ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·64	68·56	74·58
		Chandpore .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·52	56·55	76·83
		Brahmunberia	...	...	...	...	...	...	...	Nil	Nil	Nil	0·45	68·46	60·06
		Ramchandrapore.	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59·45	?
		Nasirnagar ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	58·14	?
		Daudkandi .	...	...	...	...	...	...	...	Nil	Nil		?	61·10	?
		Kasba ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	55·88	?
		Laksham ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	77·07	?
	Mymensingh...	Kishoregunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0·35	82·18	69·11
		Atia (*Tangail*)	...	...	...	...	...	...	...	Nil	Nil	Nil	0·18	87·84	64·80
		Mymensingh	...	...	...	...	...	...	...	Nil	Nil	Nil	0·28	69·00	73·34
		Jamalpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·22	63·23	64·48
		Netrokona ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·02	77·50	71·36
		Subornakhali	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59·28	?
		Durgapore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	107·61	?
		Dewanganj	...	...	...	...	...	...	...	Nil	Nil	Nil	?	53·05	?
North Bengal.	Pubna	Pubna ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·14	39·08	53·34
		Seraigunge ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·35	41·55	52·10
	Bogra	Sherpore .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·55	39·90	57·20
		Nowkhila .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·18	48·35	54·17
		Bogra ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·22	40·37	59·98
		Panchbibi	...	...	...	...	...	...	...	Nil	Nil	Nil	0·01	42·01	55·27
	Rajshahye	Beauleah .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·15	30·85	52·40
		Nattore .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·26	58·68	54·19
		Naogaon .	...	...	...	...	...	...	...	Nil	Nil	Nil	?	35·70	?
		Lalpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	38·75	?
		Manda .	...	...	...	...	...	...	...	Nil	Nil	Nil	?	29·59	?
	Maldah ...	Maldah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·10	47·36	51·11
		Chanchal ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·17	31·91	50·08
		Gajol ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	35·09	?
		Sibganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	45·12	?
	Dinagepore ...	Mohadebpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0·10	37·29	57·86
		Churamon .	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	44·[illegible]5	52·60
		Raigunge ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·06	48·91	58·53
		Dinagepore	...	...	...	...	...	...	...	Nil	Nil	Nil	0·06	56·13	63·44
		Baloorghat	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	38·11	52·67
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	...	...	...	...	...	...	...	Nil	Nil	Nil	0·06	44·90	61·04
		Rungpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·09	50·65	73·96
		Kurigram ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·15	72·13	72·85
		Bagdogra	...	...	...	...	...	...	...	Nil	Nil	Nil	0·02	52·16	84·63
		(*Nilphamari* .								Nil	Nil	Nil	?	53·72	?
		Ultpore ...	...	...	...	...	...	...	...						
	Julpigoree ...	Julpigoree ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·08	103·60	117·01
		Alipore Doar	...	...	...	...	...	...	...	Nil	Nil	Nil	?	79·66	?
		Fallacotta ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	89·72	?
		Debiganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59·93	?
	Cooch Behar..	Dinhatta ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	89·35	92·85
		Cooch Behar..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·02	88·46	117·03
		Mickligunge ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	74·25	107·54
		Matabhanga...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	74·39	116·23
	Darjeeling Hill.	Buxa .	0·45	...	...	...	...	...	...	1	0·45	0·45	0·16	154·86	100·87
		Silliguri ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	81·34	102·73
		Darjeeling ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·02	86·67	107·73
		Kalimpong ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	67·88	81·79
North Behar	Purneah .	Kissengunge...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·02	46·88	69·70
		Arrareah .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·03	50·50	63·20
		Purneah .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·06	43·61	60·87
		Gondwara ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?		?
		Balarampore	...	...	...	...	...	...	...	Nil	Nil	Nil	?		?
		Matiari ...											?		?
		Kaliaganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	56·94	?
	North Bhagulpore.	Maddepore .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·03	55·36	49·11
		Soopool ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	40·99	47·71
		Protabganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	57·75	?
	Durbhunga	Tajpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·04	89·80	42·44
		Durbhunga .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·01	35·21	45·25
		Madhubani ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	40·72	44·33
		Bahera ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50·70	?
		Roshera ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	42·40	?
	Mozufferpore	Sitamarhi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	81·66	42·48
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0·05	40·67	44·70
		Hajipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·06	45·18	41·20
		Paru ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	30·67	?
		Manua ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	35·41	?
		Sutahar ..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	28·27	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	25·16	?
	Chumparun...	Motihari ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	35·91	41·90
		Bettiah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	41·52	47·81
		Bagaha ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	52·6[illegible]	?
		Burharwa ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	38·0[illegible]	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 9th of November 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 3rd November.	Sunday, 4th November.	Monday, 5th November.	Tuesday, 6th November.	Wednesday, 7th November.	Thursday, 8th November.	Friday, 9th November.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge	......	......	......	......	......	......	......	Nil	Nil	Nil	0·04	36·00	43·19
		Sewan	......	......	......	......	......	......	......	Nil	Nil	Nil	0·03	40·43	43·03
		Chuprah	......	......	......	......	......	......	......	Nil	Nil	Nil	0·03	35·24	39·72
SOUTH BEHAR	Shahabad	Buxar	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	40·74	37·46
		Dehree	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	42·92	37·42
		Bhubooah	......	......	......	......	......	......	......	Nil	Nil	Nil	0·31	39·57	40·17
		Sasseram	......	......	......	......	......	......	......	Nil	Nil	Nil	0·04	41·07	39·72
		Arrah	......	......	......	......	......	......	......	Nil	Nil	Nil	0·04	42·97	39·35
		Mohania	......	......	......	......	......	......	......	Nil	Nil	Nil	?	33·98	?
	Gya	Aurungabad	......	......	......	......	......	......	......	Nil	Nil	Nil	0·08	52·96	41·77
		Gya	......	......	......	......	......	......	......	Nil	Nil	Nil	0·19	50·23	41·75
		Nowadah	......	......	......	......	......	......	......	Nil	Nil	Nil	0·07	47·67	39·04
		Jehanabad	......	......	......	......	......	......	......	Nil	Nil	Nil	0·13	44·70	39·65
		Arwal	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·22	?
		Daudnagar	......	......	......	......	......	......	......	Nil	Nil	Nil	?	41·71	?
		Sherrghati	......	......	......	......	......	......	......	Nil	Nil	Nil	?	32·64	?
		Rajauli	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·93	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·06	?
	Patna	Patna	......	......	......	......	......	......	......	Nil	Nil	Nil	0·04	39·04	41·12
		Dinapore	......	......	......	......	......	......	......	Nil	Nil	Nil	0·04	41·39	40·71
		Behar	......	......	......	......	......	......	......	Nil	Nil	Nil	0·12	51·05	41·06
		Barrh	......	......	......	......	......	......	......	Nil	Nil	Nil	0·14	52·57	39·13
		Bickram	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·00	?
		Hilsa	......	......	......	......	......	......	......	Nil	Nil	Nil	?	45·44	?
	Monghyr	Begooserai	......	......	......	......	......	......	......	Nil	Nil	Nil	0·19	45·19	39·42
		Monghyr	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	53·25	46·85
		Jamui	......	......	......	......	......	......	......	Nil	Nil	Nil	0·03	48·52	42·27
		Gogri	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·40	?
		Sheikpura	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·18	?
	South Bhagulpore	Bhagulpore	......	......	......	......	......	......	......	Nil	Nil	Nil	0·19	52·88	41·54
		Banka	......	......	......	......	......	......	......	Nil	Nil	Nil	0·05	39·16	43·99
		Kolgong	......	......	......	......	......	......	......	Nil	Nil	Nil		50·26	?
										Nil	Nil	Nil	0·09	45·31	51·75
	Sonthal Pergunnahs	Rajmehal	......	......	......	......	......	......	......	Nil	Nil	Nil	0·04	47·29	44·62
		Godda	......	......	......	......	......	......	......	Nil	Nil	Nil	0·04	61·71	54·91
		Pakour	......	......	......	......	......	......	0·16	1	0·16	0·16	0·16	49·79	52·43
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	Nil	0·07	51·52	49·43
		Deoghur	......	......	......	......	......	......	......	Nil	Nil	Nil	0·24	54·98	47·61
		Jamtara	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Mohagama	......	......	......	......	......	......	......	Nil	Nil	Nil	?	27·78	?
		Nunihat	......	......	......	......	......	......	......	Nil	Nil	Nil	0·12	55·29	46·79
CHUTIA NAGPUR.	Hazaribagh	Pachumba (*Giridi*).	......	......	......	......	......	......	......	Nil	Nil	Nil	0·16	51·38	47·07
		Hazaribagh	......	......	......	......	......	......	......	Nil	Nil	Nil	0·17	53·99	44·85
		Semaguran	......	......	......	......	......	......	......	Nil	Nil	Nil	0·35		47·11
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	Nil	0·12	62·15	61·19
		Joomrah Hills	......	......	......	......	......	......	......	Nil	Nil	Nil	?	49·55	?
		Barhi	......	......	......	......	......	......	......	Nil	Nil	Nil	?	53·85	?
		Chatra	......	......	......	......	......	......	......	Nil	Nil	Nil	?	51·83	?
		Karagdeha	......	......	......	......		......	......	Nil	Nil	Nil	?	46·33	?
		Ramghur	......	......	......	......				Nil	Nil	Nil	0·03	45·82	50·30
	Lohardugga	Lohardugga	......	......	......	......	......	......	......	Nil	Nil	Nil	0·25	52·68	51·03
		Ranchi	......	......	......	......	......	......	......	Nil	Nil	Nil	0·29	51·35	42·13
		Palamow	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Sili	......	......	......	......	......	......	......	Nil	Nil	Nil	?	43·42	?
		Balumat	......	......	......	......	0·29	......	......	1	0·29	0·29	?	?	?
		Hossainabad	......	......	......	......	......	......	......	Nil	Nil	Nil	?	44·08	?
		Gurwah	......	......	......	0·09	0·53	......	......	2	0·62	0·62	0·19	40·41	50·58
	Singhbhoom	Chyebassa	......	......	......	......	0·80	......	......	1	0·80	0·80	?	54·95	?
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	Nil	?	54·11	?
		Ghatsilla	......	......	......	......	......	......	......	Nil	Nil	Nil	?	53·55	?
		Baharagura	......	......	......	......	......	......	......	Nil	Nil	Nil	0·14	55·77	48·23
	Manbhoom	Purulia	......	......	......	......	......	......	......	Nil	Nil	Nil	0·13	35·64	44·31
		Govindpore	......	......	......	......	......	......	......	Nil	Nil	Nil	?	52·75	?
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	Nil	?	50·51	?
		Burrabhoom	......	......	......										
		Jhalda													
		Chas													

Explanation.—...... Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 13*th November* 1888.

SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 9TH OF NOVEMBER 1888.

THE weather conditions during the previous week had become disturbed in the south of the province owing to a rather fierce cyclone which had formed in the south of the Bay, and which had passed over Madras. The storm had crossed the Peninsula in a westerly direction, and on the morning of the 2nd it was passing into the Indian Ocean near Mangalore. On leaving the land it appears to have travelled in a north-westerly direction, and on the 3rd the centre was probably opposite the coast between Karwar and Goa. On the 4th it had again advanced and was nearly opposite Bombay, though probably at some distance from land. On the 5th the storm had become decidedly more feeble, and was drifting towards the Kattiawar coast, and on the 6th it had practically filled up and had disappeared This storm therefore had a life history of about 9 days, and its course was perhaps 1,200 or 1,300 miles long.

Following in the track of the storm, a heavy wave of rainfall set in along the Madras coast, and these disturbed conditions gradually drifted northwards along the coast. Rainfall set in over the south of Orissa on the 31st of October, and afterwards spread over the whole of this Division, and continued almost throughout the week, the falls being particularly heavy in the southern districts. At first it appeared highly probable that the wave of moisture-laden winds would continue to spread northwards into the southern and western districts of Bengal, but though the disturbed conditions were sufficiently developed to give heavily-clouded skies over the greater part of the province, and indeed to give almost overcast skies to the south-western districts for a considerable part of the present week, yet no general rainfall occurred, and only a few light and unimportant showers were reported on one or two days in the following districts:—Chittagong Hill Tracts Noakholly, Dacca, Darjeeling Hills, Lohardugga, and Singbhoom, the falls being heaviest in the two last-named districts.

At the close of the week, however, those disturbed conditions were again gradually dispersing and retreating, and rainfall on the 9th was confined entirely to Orissa and to the districts of South-West Bengal, and it had also become very light. In the retreat, however, of the slightly-disturbed conditions more frequent showers were received, and on the 9th showers were rather numerous in South-West Bengal, the rainfall being almost general in the Hooghly, Beerbhoom, and Moorshedabad districts; while in the districts of 24-Pergunnahs, Bankoora, Nuddea and Satkhira local showers were received.

Pressure.—The pressure variations during the week have been particularly small, and from day to day the changes have scarcely exceeded one or two hundredths of an inch. For the first two days of the week pressure was increasing, there was then a slight fall, which lasted over about four days and on the 9th pressure was again rising. The mean pressure for the week has been very slightly in excess of the normal at almost all stations, and for the whole province of Bengal the variation is an excess of 0 012 inch only In Assam the mean pressure has been 0·019 inch in excess of the normal.

Temperature.—The temperature changes during the week have been rather irregular in the various districts, but temperature has not fallen to the extent usual at this season. The mean temperature has therefore been above the normal in all districts. The average excess in South Behar and Chutia Nagpur has been about one and-a-half degrees. In South-West Bengal, North Bengal, and Orissa the excess has equalled one degree, while in North Behar a defect of almost this amount has been registered. For the whole province, therefore, the general excess has averaged nearly one degree. In Assam a defect of nearly one degree is reported.

Rainfall.—The distribution of the rainfall of the past week has already been described, and it therefore only remains to give its general amount. For all practical purposes East and North Bengal, Behar and Chutia Nagpur have been rainless. In South-West Bengal the general fall has averaged 0 21 inch, but the fall has been very unequally distributed. Jessore, Midnapore and South-West Midnapore and South 24-Pergunnahs have received no rain. In Jessore the fall has only averaged a hundredth of an inch. The 24-Pergunnahs, Howrah, Hooghly, Burdwan, and Nuddea districts average about a fifth of an inch. The Beerbhoom and West Burdwan districts average 0·36 inch and the Moorshedabad district 0 61 inch. In Orissa the general average fall has been no less than 1·58 inches, but at Pooree a fall of nearly six inches is reported, and at Khurdah one of 4·82 inches (up to the 6th). All the stations in Orissa have received moderate to heavy rain, the falls being heaviest in the Pooree and lightest in the Balasore district.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 9th of November 1888 :—

Meteorological Divisions.	Temperature						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	87·4	67·8	82·3	72·4	77·4	+0·9	1·58	0·50	+1·08	3·2	0·6	+2·6	2·12	0·79	49·38	52·45
South-West Bengal ..	88·3	64·8	84·3	69·4	76·9	+1·0	0·21	0·17	+0·04	0·5	0·3	+0 2	0·21	0·27	53·80	51·22
East Bengal	88·1	64·1	83·9	69·0	76 5	+0·5	0·01	0 30	—0·29	0·1	0·4	—0·3	0·01	0·73	70·20	73·03
North Bengal	85·8	59·7	83·5	63·8	73·7	+1·0	Nil	0·11	—0·11	0·0	0·2	—0·2	Nil	0·13	52·64	69·79
North Behar	87·2	54 8	83·1	60·1	71·6	—0·9	Nil	0·03	—0·03	0·0	0·1	—0·1	Nil	0·03	41·45	48·00
South Behar	87·4	57·8	85·4	63·5	74·5	+1·5	0·01	0·10	—0·09	0·1	0 2	—0·1	0·01	0·19	47·62	43·06
Chutia Nagpur	81·5*	59·4*	79·1*	62 6*	70·9*	+1·6*	0·06	0·11	—0·05	0·2	0·3	—0·1	0·06	0·16	49·86	48·57
Assam	87·5	59·8	82·7	64·5	73·6	—0 7										

* Chyebassa not ncluded.

METEOROLOGICAL OFFICE, BENGAL ;
The 13*th November* 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 4th to 10th November 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Nov.	4th	139·7	4·6	29·959	77·4	83·9	13·5	70·4	71·3	0·688	68·1	74	ENE, NNE and calm	39	Nil	Chiefly cloudy, △.
,,	5th	138·7	1·2	·960	76·2	82·0	13·1	69·9	70·7	·679	67·7	75	NNE, calm and variable.	38	Nil	Chiefly cloudy, o.
,,	6th	111·7	Nil.	·941	75·7	8[illegible]·5	9·8	70·7	71·4	·713	69·1	81	N, calm and variable	22	Nil	Cloudy, o.
,,	7th	138·6	0·8	·911	76·1	81·4	10·4	71·0	71·4	·709	69·0	79	WNW and calm ...	31	Nil	Chiefly cloudy, o.
,,	8th	142·[illegible]	5·4	·917	76·2	83·2	12·6	70·6	72·3	·713	70·3	83	SE by E, calm and variable.	20	Nil	Chiefly cloudy, o, △.
,,	9th	148·5	6·9	·930	76·7	85·1	15·4	69·7	72·6	·749	70·6	82	SSW and variable ...	39	Nil	Chiefly cloudy, o, △.
,,	10th	134·0	9·2	·92[illegible]	75·4	83·3	14·3	69·0	70·6	·685	68·0	79	ENE, N and calm ...	25	Nil	Chiefly clear, △.

	Inches.
The mean pressure of the seven days	29·934
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·931
	Hours.
The total number of hours of bright sunshine	28·1
The maximum possible number of hours of sunshine	78·5
	°
The mean temperature of the seven days	76·2
The average temperature of the corresponding period for 24 years, S. G.'s Office	77·4
The extreme variation of temperature	16·1
The maximum temperature	85·1
	Miles.
The highest velocity of the wind in one hour	8
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	79
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	74
	Inches.
The total fall of rain from 4th to 10th November 1888	Nil
The average fall of the corresponding period for 24 years, S. G.'s Office ...	0·37
The total fall from 1st January to 10th November 1888	66·58
The average fall of the corresponding period for 24 years, S. G.'s Office ...	65·00

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, △ dew.

A. PEDLER,
for Offg. Meteorological Reporter to the Govt. of India

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 12th November 1888.

Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of October 1888.

		°	Date.
The mean temperature during the month	... ...	80·3	
The highest temperature during the month	... ...	94·0	2nd.
The lowest temperature during the month	... ...	67·4	21st.
The range of temperature during the month	... ...	26 6	
The mean daily range of temperature during the month	...	15·6	
The greatest range of temperature in one day during the month	...	22·1	20th.
		°/o	
The mean humidity during the month	... ...	80	
		Inches.	
The mean vapour tension during the month	... ...	·828	
The total rainfall of the month	... ...	3·32	
The greatest fall in 24 hours	... ...	1·22	7th.
		Days.	
The number of rainy days in the month	... ...	4	

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 7th November 1888.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 4th to 10th November 1888.

MONTH.	Date.	TEMPERATURE. Mean.	Maximum.	Range.	Minimum.	HYGROMETRY. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
November	4th ...	77·9	85·9	14·3	71·6	71·5	·687	68·1	72	Nil
"	5th ...	75·9	84·4	13·6	70·8	70·4	·671	67·4	75	Nil
"	6th ..	75·4	80·9	9·2	71·7	71·1	·706	68·9	8[illegible]	Nil
"	7th ...	76·0	82·1	10·9	71·2	71·0	·693	68·3	77	Nil
"	8th ...	76 0	8[illegible]·0	14·4	70·6	71·7	·721	69·5	81	Nil
"	9th ...	76·5	86·4	16·4	70·0	73·2	·775	71·6	85	Nil
"	10th ...	76·5	85·4	16·1	69·3	70·7	·674	67·6	74	Nil

		°
The mean temperature of the seven days	... ...	76·3
The extreme variation of temperature	... ...	17·1
The maximum temperature	... ...	86·4
		°/o
The mean relative humidity	... ...	78
		Inches.
The total fall of rain from 4th to 10th November 1888	.. ...	Nil

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 12th November 1888.

A. PEDLER,

for Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

A BRIEF summary of the principal results in connection with the mortuary statistics of the districts in Bengal for the month of August 1888, as presented in the statement appended to this memorandum, is subjoined :—

1. The deaths of 109,203 persons were registered in a population of 66,055,695, representing an annual casualty-rate of 19·80 per 1,000, against 20·64 per 1,000 in the preceding month, and 24·96 per 1,000 in the corresponding month of 1887, indicating, as compared with the latter period, a large decrease in mortality.

2. The undermentioned districts furnished the highest proportions of deaths :—

Districts.	Ratio per mille.	*Districts.*	Ratio per mille.
Chumparun	55·80	Gya	36·36
Hazaribagh	41·52	Lohardugga	24·72
Darjiling	37·32	Patna	24·48

3. The mortality from the principal death-causes mentioned in the appended table is shown below. The figures indicate that cholera and fever prevailed with considerably less fatality during the month under notice, as compared with the corresponding month of the preceding year, and that the fatal results from the rest of the diseases exhibited only fractional variations, excepting injury, which maintained the same death-rate :—

	Ratio per mille during— August 1888.	August 1887.
Cholera	2·16	3·48
Small-pox	·04	·02
Fever	13·20	16·56
Bowel-complaints	·60	1 08
Injury	·60	·60
Other causes	2·88	3·12

4. While small-pox, bowel-complaints and injury did not prevail with more than normal severity anywhere, and the maladies coming under the head of "Other causes," which proved noticeably fatal only in Puri, viz., at the rate of 12·12 per 1,000 of population, cholera and fever caused the highest mortality in the following districts :—

Cholera.	Ratio per mille.	*Fever.*	Ratio per mille.
Chumparun	34·92	Hazaribagh	26·64
Hazaribagh	8·40	Gya	25 68
Cuttack	6·96	Darjiling	24 96
Puri	5·04	Julpaiguri	21·72
Mozufferpore	4·68	Bogra	20·40
Singbhum	3 24		
Gya	2·88		
Sarun	2·76		
Manbhum	2·76		
Patna	2·64		
Balasore	2·52		
Lohardugga	2 04		

5. Distributed under the heads of *Sex*, *Class* and *Age*, the mortality of the month stood as indicated below :—

According to Sex	Ratio per mille.
Males	21·48
Females ...	18·12
Ratio of male deaths to every 100 female deaths ...	116

According to Class.	Ratio per mille.
Christians	14·04
Hindus	21·24
Mahomedans ...	16·92
Budhists	13·68
Other classes ...	18·96

According to Age.	Ratio per mille.
Under 1 year ...	188·24
1 and under 5 years...	24 00
5 " " 10 " ...	12·12
10 " " 15 " ...	10·68
15 " " 20 " ...	12·96
20 " " 30 " ...	12·00
30 " " 40 " ...	13·92
40 " " 50 " ...	17·52
50 " " 60 " ...	25·08
60 years and upwards ...	40·68

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

The 7th November 1888.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of August 1888.

1	2	3			4							5							6		7		8		9
					MORTALITY ACCORDING TO—																				
		POPULATION.			Disease.																Sex.				
					Deaths from—							Ratio per 1,000 of population per annum.							Comparison with previous periods.		Deaths among—		Ratio per 1,000 of population per annum.		
Divisions.	Districts.	Males.	Females.	Total.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan	Burdwan	668,295	723,528	1,391,823	73	......	1,485	46	47	329	1,980	·60	......	12·72	·36	·36	2·76	17·04	15·36	19·20	1,015	965	18·12	15·96	105
	Bankura	507,136	534,616	1,041,752	17	5	943	37	32	260	1,294	·12	·04	10·80	·36	·36	2·88	14·88	16·68	18·00	649	625	15·72	13·92	107
	Birbhum	381,563	412,865	794,428	9	1	997	9	22	292	1,330	·12	·01	15·00	·12	·21	4·32	20·04	21·12	24·48	698	632	21·61	18·36	110
	Midnapore	1,243,195	1,272,370	2,515,565	199	1	3,553	243	123	598	4,717	·84	·003	16·92	1·08	·48	2·76	22·44	18·60	21·96	2,424	2,293	23·04	21·60	105
	Hughli	315,865	347,385	663,050	14	......	633	81	30	136	894	·24	......	11·40	1·44	·48	2·40	16·08	15·12	15·84	467	427	17·64	14·64	109
	Serampore	174,366	177,589	351,955	11	......	292	63	14	96	476	·36	......	9·84	2·04	·36	3·24	16·20	12·36	15·36	249	228	20·52	15·36	104
	Total (Hughli including Serampore)	490,031	524,974	1,015,005	25	......	925	144	44	232	1,370	·24	......	10·92	1·68	·48	2·64	16·08	14·16	15·60	715	655	17·40	14·88	109
	Howrah *	316,479	318,902	635,381	21	......	480	134	51	187	873	·36	......	9·00	2·52	·96	3·48	16·44	14·52	19·68	476	397	19·00	14·88	119
Presidency	24-Pergunnahs	975,430	894,429	1,869,859	93	1	2,051	191	120	447	2,906	·60	·006	13·08	1·20	·72	2·76	18·60	16·08	21·36	1,574	1,332	19·32	17·76	118
	Nuddea	805,779	849,942	1,655,721	8	......	1,533	5	96	248	1,890	·04	......	11·04	·03	·60	1·68	13·65	15·12	23·64	1,019	871	15·12	13·24	117
	Jessore	959,271	980,107	1,939,375	2	......	1,698	1	110	95	1,906	·01	......	10·44	·006	·60	·48	11·76	14·28	13·54	1,088	818	13·56	9·96	133
	Murshidabad	586,483	640,307	1,226,790	......	......	1,505	28	81	183	1,797	......	......	14·64	·24	·72	1·68	17·52	18·24	24·36	930	847	19·32	15·84	112
	Khulna	568,402	521,546	1,079,948	36	......	1,337	6	47	171	1,597	·36	......	14·76	·06	·48	1·50	17·64	15·24	16·20	850	747	17·38	17·40	113
Rajshahye	Dinajpur	782,292	732,054	1,514,346	......	......	2,335	7	93	114	2,549	......	......	18·48	·04	·72	·84	20·16	24·36	25·44	1,362	1,187	20·88	19·20	114
	Rajshahye	660,226	678,412	1,338,638	4	......	1,756	10	72	82	1,924	·02	......	15·72	·08	·60	·72	17·16	19·32	27·84	1,067	857	19·32	15·12	124
	Rungpore	1,067,701	1,030,263	2,097,964	6	1	3,071	15	75	141	3,309	·02	·004	17·52	·05	·36	·72	18·84	22·68	20·32	1,887	1,421	21·12	16·08	133
	Bogra	372,677	361,681	734,358	8	......	1,251	......	47	126	1,432	·12	......	20·40	......	·72	2·04	23·40	27·48	25·08	734	698	23·64	23·04	105
	Pubna	648,311	663,417	1,311,728	1	......	1,481	11	43	89	1,625	·008	......	13·32	·08	·96	·72	14·76	19·08	17·76	955	670	17·64	12·00	143
	Darjiling	89,398	66,739	156,137	10	......	325	91	4	57	487	·72	......	24·96	6·96	·24	4·32	37·32	45·12	33·24	249	238	33·36	42·72	102
	Jalpaiguri	305,555	276,007	581,562	9	......	1,056	3	17	64	1,149	·12	......	21·72	·06	·24	1·32	23·64	33·36	21·00	599	550	23·52	21·88	108
Dacca	Dacca	1,033,863	1,082,487	2,116,350	100	1	1,3[illegible]8	72	84	470	2,061	·48	·004	7·56	·36	·36	2·64	11·64	15·96	11·88	1,166	897	13·44	9·84	129
	Faridpore	805,989	825,745	1,631,734	8	1	1,081	16	54	121	1,281	·04	·007	7·92	·10	·36	·84	9·36	11·14	8·88	757	524	11·16	7·56	144
	Backerganj	973,479	927,410	1,900,889	4	1	2,358	19	103	709	3,194	·02	·006	14·88	·10	·60	4·44	20·16	19·80	18·36	1,724	1,470	21·24	18·96	117
	Mymensing	1,553,397	1,498,569	3,051,966	57	31	2,991	56	76	497	3,708	·12	·12	11·76	·12	·24	1·92	14·52	18·72	13·92	2,069	1,639	15·96	13·08	126
Chittagong	Chittagong	531,649	600,692	1,132,341	20	......	1,059	65	79	169	1,572	·12	......	10·92	·60	·72	1·65	14·12	19·80	17·04	699	673	15·72	13·44	103
	Noakhali	415,248	405,524	820,772	2	......	997	10	63	184	1,306	·02	......	14·52	·12	·84	1·92	17·52	23·76	17·49	608	598	17·52	17·76	101
	Tipperah	770,893	748,445	1,519,338	2	4	1,167	60	83	689	2,005	·01	·02	9·12	·36	·60	5·40	15·72	16·32	17·04	1,093	909	17·04	14·52	120
Patna	Patna	858,783	898,073	1,756,856	399	8	1,962	216	150	862	3,597	2·64	·04	13·32	1·44	·96	5·88	24·45	27·96	47·28	1,912	1,685	26·64	22·44	113
	Gya	1,015,441	1,081,241	2,[illegible]24,682	529	33	4,561	118	183	1,020	6,441	2·88	·12	25·08	·60	·96	5·76	36·56	28·44	61·92	3,341	3,103	36·40	34·44	107
	Shahabad	950,250	1,014,659	1,964,909	284	3	2,631	74	115	662	3,760	1·68	·01	15·96	·36	·60	3·96	23·92	22·56	52·92	2,004	1,765	25·20	20·76	113
	Mozufferpore	1,265,731	1,316,329	2,582,060	1,028	12	2,040	132	251	352	3,817	4·68	·04	9·48	·60	1·08	1·56	17·64	17·76	14·88	2,128	1,691	20·04	15·36	125
	Durbhanga	1,295,788	1,337,659	2,633,447	242	2	2,191	102	214	156	2,907	1·09	·008	9·96	·36	·96	·60	13·20	15·24	16·32	1,535	1,372	14·16	13·20	111
	Sarun	1,083,565	1,196,817	2,280,382	542	49	1,389	224	165	1,257	3,626	2·76	·24	7·20	1·08	·84	6·60	19·08	21·36	39·12	1,987	1,639	21·96	16·32	121
	Chumparun	870,627	850,981	1,721,608	5,013	139	1,997	49	103	707	8,008	34·92	·96	13·80	·24	·60	4·92	55·80	39·76	25·08	4,419	3,590	60·84	50·52	123
Bhagulpore	Monghyr	969,124	1,000,650	1,969,774	32	......	2,633	54	213	733	3,665	·12	......	15·96	·24	1·20	4·44	22·32	25·80	48·60	2,000	1,665	24·72	19·92	120
	Bhagulpore	979,119	987,039	1,966,158	145	4	2,391	55	111	486	3,192	·84	·02	14·52	·24	·60	2·88	19·44	22·68	29·64	1,758	1,410	20·84	17·04	128
	Purneah	937,080	911,607	1,848,687	4	2	1,938	6	65	54	2,071	·02	·01	12·48	·04	·36	·24	13·44	16·68	13·44	1,163	908	14·08	11·88	137
	Maldah	346,998	363,450	710,448	......	......	877	7	39	53	976	......	......	14·76	·10	·60	·84	16·44	19·44	23·40	551	425	15·96	13·92	129
	Sonthal Pergunnahs	785,330	782,763	1,568,093	92	......	1,270	38	72	158	1,680	·60	......	9·60	·24	·48	1·32	12·60	14·08	19·68	934	726	14·36	11·04	129
Orissa	Cuttack	877,702	917,363	1,795,065	1,044	3	1,029	308	146	689	3,219	6·96	·01	6·84	2·04	·96	4·56	21·48	25·68	20·52	1,564	1,655	21·36	21·00	94
	Puri	446,609	441,878	888,487	379	16	169	181	64	903	1,712	5·04	·12	2·28	2·52	·84	12·12	23·04	21·72	33·36	900	812	24·12	21·96	112
	Balasore	461,461	483,819	945,280	201	8	504	359	50	389	1,491	2·52	·09	6·36	4·20	·60	4·92	18·84	21·48	21·60	801	690	20·76	17·04	116
Chota Nagpore	Hazaribagh	544,903	559,839	1,104,742	777	1	2,462	130	88	368	3,826	8·40	·01	26·64	1·32	·84	3·96	41·52	27·96	34·80	1,991	1,835	43·80	39·24	108
	Lohardugga	796,657	812,587	1,609,244	280	......	2,0[illegible]3	337	57	594	3,323	2·04	......	15·24	2·40	·36	4·44	24·72	23·64	48·60	1,796	1,527	27·00	22·44	117
	Singbhum	226,681	227,094	453,775	127	......	506	91	22	121	867	3·24	......	13·32	2·40	·48	3·12	22·92	20·16	14·04	475	392	25·08	20·64	121
	Manbhum	525,328	532,900	1,058,228	246	......	1,378	124	42	279	2,069	2·76	......	15·60	1·32	·36	3·12	23·40	31·80	23·04 6.9	1,146	924	26·16	20·76	124
	TOTAL FOR THE PROVINCE	32,777,919	33,277,776	66,055,695	12,081	327	72,752	3,966	3,818	16,379	109,203	2·16	·04	13·20	·60	·60	2·88	19·80	20·64		58,878	48,325	21·48	18·12	116

MORTALITY ACCORDING TO— Class (10, 11)

Divisions	Districts	Deaths among— Christians	Hindus	Mahomedans	Buddhists	Other classes	Ratio per 1,000 of population per annum. Christians	Hindus	Mahomedans	Buddhists	Other classes
Burdwan	Burdwan	3	1,637	323	......	17	39·48	17·52	14·64	......	31·68
	Bankura	......	1,176	44	......	74	......	15·48	11·40	......	10·44
	Birbhum	......	1,066	230	......	34	......	20·64	16·92	......	28·20
	Midnapore	1	4,229	244	......	242	16·20	22·68	17·88	......	24·60
	Hughli	1	725	168	......	......	41·28	16·32	15·48	......	......
	Serampore	1	411	64	......	......	32·88	16·8[illegible]	12·96	......	......
	Total (Hughli, including Serampore)	2	1,136	232	......	......	36·60	16·44	14·61	......	......
	Howrah	......	714	153	......	......	......	17·04	14·40	......	......
Presidency	24-Pergunnahs	20	1,867	1,019	......	......	17·16	19·4[illegible]	17·40	......	......
	Nuddea	8	810	1,072	......	......	14·88	13·32	13·92	......	......
	Jessore	......	778	1,1[illegible]8	......	......	......	12·12	11·52	......	......
	Murshidabad	......	926	871	......	......	......	17·40	17·61	......	......
	Khulna	1	679	917	......	......	15·96	15·48	19·80	......	......
Rajshahye	Dinajpur	......	1,274	1,272	......	3	......	21·24	19·08	......	24·72
	Rajshahye	......	345	1,5[illegible]9	......	......	......	14·[illegible]8	18·01	......	......
	Rungpore	......	1,284	2,015	......	......	......	18·96	18·84	......	......
	Bogra	......	2[illegible]9	1,203	......	......	......	19·44	24·24	......	......
	Pubna	......	452	1,178	......	......	......	15·0[illegible]	14·76	......	......
	Darjiling	3	4[illegible]2	26	26	......	19·92	41·80	47·92	16·56	......
	Jalpaiguri	......	7[illegible]8	468	......	33	......	23·01	23·41	......	87·72
Dacca	Dacca	10	872	1,181	......	......	13·5[illegible]	12·12	11·28	......	......
	Faridpore	......	694	6,7[illegible]	......	......	......	11·50	8·28	......	......
	Backergunj	4	862	2,328	......	......	12·84	16·50	21·96	......	......
	Mymensing	......	1,336	2,290	......	......	......	16·20	15·32	......	......
Chittagong	Chittagong	1	297	1,069	65	92	11·25	12·84	15·09	14·40	42·48
	Noakhali	1	250	955	......	......	20·40	14·16	18·72	......	......
	Tipperah	......	7[illegible]7	1,298	......	......	......	16·56	15·5[illegible]	......	......
Patna	Patna	5	3,140	452	......	......	23·16	21·[illegible]6	2[illegible]·44	......	......
	Gya	......	5,616	7[illegible]8	......	......	......	55·70	41·04	......	......
	Shahabad	......	3,176	2[illegible]	......	......	......	2[illegible]·31	25·88	......	......
	Mozufferpore	1	3,548	468	......	......	52·16	17·64	17·64	......	......
	Durbhanga	......	2,[illegible]10	297	......	......	......	14·44	11·52	......	......
	Sarun	......	[illegible]28	3[illegible]8	......	......	......	19·68	17·[illegible]4	......	......
	Chumparun	3	6,954	1,051	......	......	18·4[illegible]	56·40	51·96	......	......
Bhagulpore	Monghyr	2	3,3[illegible]3	[illegible]94	......	......	21·96	22·08	19·44	......	......
	Bhagulpore	1	2,954	2[illegible]7	......	6	20·70	20·04	15·24	......	9·96
	Purneah	1	1,221	849	......	......	56·60	15·56	15·2[illegible]	......	......
	Maldah	......	[illegible]56	419	......	1	......	17·53	15·24	......	6·84
	Sonthal Pergunnahs	......	1,14[illegible]	131	......	882	......	16·09	14·64	......	7·44
Orissa	Cuttack	3	3,14[illegible]	75	......	......	15·3[illegible]	21·00	18·84	......	......
	Puri	......	1,692	29	......	......	......	25·16	17·64	......	......
	Balasore	......	1,454	32	......	5	......	18·90	16·08	......	12·24
Chota Nagpore	Hazaribagh	6	3,200	358	......	163	130·32	42·56	41·52	......	26·64
	Lohardugga	35	1,610	208	......	1,470	11·52	22·20	32·16	......	28·08
	Singhbhum	8	846	11	......	2	32·04	22·32	30·24	......	30·96
	Manbhum	1	1,8[illegible]6	95	......	116	21·72	25·52	25·32	......	21·00
	TOTAL FOR THE PROVINCE	1[illegible]0	76,180	30,172	91	2,040	14·04	21·21	16·92	13·68	15·96

MORTALITY ACCORDING TO— Age (12, 13)

Divisions	Districts	Deaths. Under 1 year	1 and under 5 years	5 and under 10 years	10 and under 15 years	15 and under 20 years	20 and under 30 years	30 and under 40 years	40 and under 50 years	50 and under 60 years	60 years and upwards	Ratio per 1,000 of population per annum. Under 1 year	1 and under 5 years	5 and under 10 years	10 and under 15 years	15 and under 20 years	20 and under 30 years	30 and under 40 years	40 and under 50 years	50 and under 60 years	60 years and upwards
Burdwan	Burdwan	328	129	126	88	146	249	243	237	199	235	124·92	11·76	9·00	7·80	14·16	11·64	13·89	16·80	24·60	35·40
	Bankura	251	135	95	61	88	158	144	14[illegible]	113	108	109·56	13·32	7·56	6·72	11·16	10·56	11·76	24·36	31·72	27·16
	Birbhum	311	168	94	62	63	129	142	107	92	162	223·56	25·20	11·16	9·12	11·28	11·40	13·38	14·76	18·9[illegible]	40·[illegible]
	Midnapore	808	532	433	258	270	477	474	396	377	690	153·04	23·16	14·88	12·48	14·18	12·60	15·60	20·16	31·56	60·[illegible]
	Hughli	139	79	43	45	43	97	109	125	90	118	98·28	15·96	8·52	8·64	8·64	8·88	12·12	19·80	31·68	[illegible]
	Serampore	79	61	38	10	31	63	49	56	40	49	94·56	22·92	13·44	3·84	11·76	10·68	10·08	16·44	15·96	30·1[illegible]
	Total (Hughli, including Serampore)	218	140	87	55	74	160	158	181	130	167	95·96	18·36	10·20	7·08	9·72	9·60	11·40	15·60	21·24	[illegible]
	Howrah	174	108	49	41	55	92	86	82	52	134	113·49	19·08	7·44	7·92	11·52	9·04	10·92	16·08	18·36	40·[illegible]
Presidency	24-Pergunnahs	474	394	272	16[illegible]	174	355	254	231	195	351	117·84	22·80	13·44	11·40	13·80	12·12	11·88	14·88	21·12	3[illegible]·1[illegible]
	Nuddea	309	215	210	1[illegible]3	107	181	159	183	141	247	97·20	12·60	9·96	9·12	10·56	8·28	8·40	13·56	15·72	[illegible]
	Jessore	174	219	204	116	141	263	220	174	147	246	40·32	11·40	8·40	7·08	11·64	9·64	9·96	10·80	14·04	24·96
	Murshidabad	257	222	161	1[illegible]8	115	202	180	174	132	216	11[illegible]·64	18·72	10·64	13·56	13·92	11·88	12·36	16·8[illegible]	2[illegible]	31·34
	Khulna	2[illegible]8	240	2[illegible]4	73	90	149	125	112	83	243	83·04	27·24	17·64	7·92	11·16	9·36	10·08	13·[illegible]0	16·0[illegible]	46·68
Rajshahye	Dinajpur	372	466	255	147	131	297	349	210	151	181	127·44	32·16	12·00	11·76	13·44	13·80	17·88	17·16	33·[illegible]	29·16
	Rajshahye	122	3[illegible]5	284	101	98	219	227	207	122	139	73·44	23·28	15·84	9·04	11·16	11·40	14·16	19·44	30·6[illegible]	27·12
	Rungpore	354	352	304	169	188	465	4[illegible]2	390	256	344	83·50	18·72	11·52	9·96	14·52	15·60	16·80	21·84	24·72	35·88
	Bogra	210	282	136	71	95	139	161	119	72	148	164·28	35·04	13·32	11·64	19·08	13·20	18·36	21·72	23·5[illegible]	45·[illegible]6
	Pubna	149	250	253	147	183	198	140	105	76	165	49·08	16·68	14·52	14·04	16·80	11·52	9·84	10·32	12·49	22·08
	Darjiling	57	99	61	31	20	73	53	33	22	29	218·86	73·08	39·24	22·92	26·28	25·08	24·84	17·04	36·48	50·04
	Jalpaiguri	243	136	59	62	66	130	143	132	89	99	173·28	23·64	6·04	12·12	13·96	16·20	20·16	27·00	31·56	34·[illegible]4
Dacca	Dacca	376	293	171	118	101	182	193	180	128	323	76·56	12·00	6·12	6·24	7·44	6·48	8·28	11·52	13·44	19·04
	Faridpore	153	147	118	72	49	145	151	140	140	166	45·24	8·16	5·88	4·92	4·30	6·48	8·04	16·08	17·04	20·88
	Backergunj	633	638	354	144	107	222	229	203	225	437	162·48	30·72	15·96	8·76	7·80	7·68	10·56	14·16	24·96	52·98
	Mymensing	539	504	310	221	215	377	446	302	281	510	86·88	14·76	7·44	8·64	10·44	8·88	12·84	13·68	21·60	35·88
Chittagong	Chittagong	142	225	110	60	59	146	155	122	104	249	51·48	18·24	6·96	5·28	7·32	10·44	13·44	15·00	18·48	46·48
	Noakhali	282	253	83	36	46	29	91	56	76	185	145·32	27·00	7·44	4·50	7·93	9·04	10·32	9·60	19·68	51·00
	Tipperah	431	242	134	86	127	215	189	145	121	317	148·08	13·80	6·72	6·24	11·88	10·20	11·16	13·08	17·52	46·56
Patna	Patna	944	645	227	154	120	308	252	275	284	363	274·92	38·64	11·76	11·04	12·72	12·60	11·76	17·32	27·12	33·78
	Gya	1,643	1,139	[illegible]	273	183	479	458	519	506	739	459·[illegible]4	49·20	20·52	15·84	15·72	16·20	17·40	27·48	48·60	69·96
	Shahabad	939	605	276	132	135	356	318	235	2[illegible]8	445	251·04	25·52	12·12	7·68	12·60	12·96	12·72	17·28	27·84	42·00
	Mozufferpore	2[illegible]8	571	388	245	20[illegible]	4[illegible]8	457	392	398	390	72·36	21·00	11·64	11·40	14·28	14·16	15·24	16·80	25·08	30·24
	Durbhanga	227	424	3[illegible]4	204	127	370	368	308	272	303	54·12	15·72	9·0[illegible]	9·6[illegible]	8·52	10·20	10·92	13·08	19·08	25·[illegible]
	Sarun	661	590	239	183	141	335	339	278	309	532	145·32	25·56	8·52	9·24	11·40	11·76	11·52	13·92	25·92	46·44
	Chumparun	565	1,318	1,127	600	559	998	952	743	548	768	153·36	79·56	55·44	41·04	37·56	41·44	42·04	49·[illegible]8	63·24	96·36
Bhagulpore	Monghyr	1,285	656	215	173	19[illegible]	272	240	229	238	307	392·16	31·08	9·72	10·2[illegible]	8·76	11·16	9·84	13·32	23·40	38·54
	Bhagulpore	639	443	235	2[illegible]	110	357	325	319	247	273	224·24	23·04	9·00	11·52	9·24	12·74	13·73	20·04	25·16	37·20
	Purneah	153	252	195	136	1[illegible]6	267	330	253	174	173	48·48	14·16	8·16	8·52	11·88	10·24	13·44	16·32	30·76	22·32
	Maldah	92	186	123	72	61	10[illegible]	91	72	46	140	56·40	26·64	13·44	11·76	12·12	10·56	10·84	13·80	14·52	36·72
	Sonthal Pergunnahs	3[illegible]7	239	151	100	112	200	162	110	130	149	117·96	12·00	6·24	6·00	11·76	10·32	9·24	10·20	19·80	25·10
Orissa	Cuttack	540	339	266	156	177	35[illegible]	315	240	258	476	175·32	21·00	11·76	9·72	15·48	13·92	17·28	18·00	26·76	50·64
	Puri	354	210	93	82	84	194	178	130	150	231	282·48	22·20	8·88	9·72	15·00	14·64	16·92	13·44	30·48	56·04
	Balasore	375	171	89	56	81	137	149	125	115	193	219·00	17·88	7·56	6·44	13·20	9·96	13·92	16·20	25·08	45·68
Chota Nagpore	Hazaribagh	677	635	349	248	153	597	355	311	275	426	233·88	48·24	22·32	25·44	24·24	25·44	27·00	39·12	59·64	117·48
	Lohardugga	642	711	310	176	149	331	287	197	199	296	1[illegible]0·84	35·76	14·64	11·64	15·48	15·12	15·36	17·88	31·32	54·96
	Singhbhum	113	136	72	36	60	82	99	78	90	101	155·16	26·40	11·52	8·40	13·34	13·20	18·48	23·88	48·00	62·16
	Manbhum	237	250	224	141	164	274	195	166	180	236	99·36	21·48	14·7	15·96	21·60	19·44	15·96	22·80	38·16	54·36
	TOTAL FOR THE PROVINCE	18,297	16,420	10,025	6,035	5,425	11,642	11,125	9,389	8,203	12,612	138·24	24·00	12·12	10·64	13·96	12·64	13·92	17·52	25·08	40·68

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 7th November 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

MEMORANDUM.

THE birth and death returns of the principal Municipalities in Bengal (excluding Mozufferpore, from which no data have yet been furnished), for the week ending 20th October 1888, exhibit the following results:—

1. That the ratios per mille of births and deaths for the period above referred to stand at—births 19·6 and deaths 28·6: the corresponding figures of the preceding week, ending 13th October, being 18·6 and 26 6, respectively, indicating an improvement in the registration of both the events

2. That the highest proportions of births and deaths were returned from the following Municipalities:—

Births.	Ratio per mille	*Deaths.*	Ratio per mille.
Bali	49·1	Gya	55 3
Monghyr	41 6	Suburbs of Calcutta	53·2
Durbhanga	38 5	Bali	52·6
		Monghyr	39·8
		Puri	37·8
		Howrah	34 4

3. That the rates of mortality from the principal diseases, contrasted with the similar information for the preceding week, stood as follows:—

	Ratio per mille during the weeks ending— 20th October 1888.	13th October 1888.
Cholera	6 0	4·9
Small-pox		·1
Fever	11 7	10 3
Bowel-complaints	3 5	3 3
Injury	·2	·3
Other causes	7 2	7·7

indicating chiefly, that the mortality from cholera and fever had increased to a noticeable extent

4 That excluding small-pox, from which no death was reported to have occurred, and bowel-complaints and injury, the casualties from which do not call for notice, cholera, fever and the maladies coming under the head of "Other causes" proved conspicuously fatal in the following Municipalities:—

Cholera.	Ratio per mille.	*Fever.*	Ratio per mille.	*Other causes.*	Ratio per mille.
Howrah	17 8	Gya	33 5	Puri	18 9
Suburbs of Calcutta	15 9	Monghyr	21·7	Bali	17·5
Bali	10 5	Bali	21·1	Naraingan j	16·6
Monghyr	5 4			Gya	13·6
Patna	4·9			Suburbs of Calcutta	12·4
Gya	1 8				

5. That the mortality of the week, classified under the heads of *Sex*, *Class* and *Age*, stood as follows —

According to Sex.	Ratio per mille.
Males	29 4
Females	27 7
Ratio of male deaths to every 100 female deaths	120

According to Class.	Ratio per mille.
Christians	35·5
Hindus	31·7
Mahomedans	21·7

According to Age.	Ratio per mille.
Under 1 year	191·2
1 and under 5 years	42·8
5 " 10 "	12·7
10 " 15 "	17·8
15 " 20 "	22·6
20 " 30 "	20·2
30 " 40 "	19·7
40 " 50 "	22 1
50 " 60 "	35 6
60 years and upwards	66·0

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

The 8th November 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 20th October 1888.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
DISTRICTS.	NAMES OF MUNICIPALITIES.				NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.			Ratio of male births to every 100 female births.	DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.							Ratio of deaths per 1,000 of population per annum in the previous week.	DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths.
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.		Males.	Females.	Males.	Females.	
Burdwan ...	Burdwan	18,063	16,017	34,080	...	...	...	...	...	...	......	...	...	1	...	...	2	3	...	...	1.5	...	...	3.1	4.6	3.0	3	...	8.6	...	No female death.
Midnapore ...	Midnapore	16,927	16,633	33,560	5	3	8	7.7	4.6	12.4	166	...	...	4	4	...	5	13	...	...	6.2	6.2	...	7.7	20.1	23.2	7	6	21.5	18.8	116
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	10	11	21	13.4	14.8	28.2	90	1	...	11	1	...	5	18	1.3	...	14.8	1.3	...	6.7	24.2	13.4	5	13	13.5	34.6	38
Serampore ...	Serampore	13,559	12,937	26,496	8	5	13	15.7	9.8	25.5	160	2	...	5	2	...	3	12	3.9	...	9.8	3.9	...	5.9	23.5	25.5	5	7	19.2	28.1	71
	Utterpara	3,046	2,464	5,510	2	...	2	18.9	...	18.9	No female birth.	2	...	...	...	...	1	3	18.9	...	...	...	...	9.4	28.3	18.9	3	...	51.2	...	No female death.
Howrah ...	Howrah	53,153	37,660	90,813	19	22	41	10.9	12.6	23.5	86	31	...	13	11	...	5	60	17.8	...	7.4	6.3	...	2.9	34.4	22.9	40	20	39.1	27.6	200
	Bali	7,836	6,979	14,815	7	7	14	24.5	24.5	49.1	100	3	...	6	1	..	5	15	10.5	...	21.1	3.5	...	17.5	52.6	17.5	4	11	26.5	82.0	36
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	62	49	111	12.8	10.1	23.0	126	77	...	79	40	1	60	257	15.9	...	16.3	8.3	.2	12.4	53.2	46.5	158	99	55.8	49.4	159
Nuddea ...	Kishnaghur	13,263	14,214	27,477	3	1	4	5.7	1.9	7.6	300	...	...	4	...	...	1	5	...	...	7.6	...	...	1.9	9.5	9.4	2	3	7.8	11.0	66
	Ranaghat	4,028	4,655	8,683	...	...	...	...	...	...	......	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......	...	...	...	...	......
	Santipore	13,708	15,979	29,687	3	7	10	5.2	12.3	17.5	42	...	...	1	...	...	2	3	...	...	1.7	...	...	3.5	5.2	......	1	2	3.8	6.5	50
Jessore ...	Jessore	4,830	3,665	8,495	..	1	1	...	6.1	6.1	No male birth.	...	...	2	...	...	...	2	...	...	12.4	...	...	...	12.2	......	...	2	...	28.4	No male death.
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	4	5	9	10.5	13.1	23.6	80	...	...	7	1	..	1	9	...	...	18.4	2.6	...	2.6	23.6	13.1	5	4	24.2	23.0	1.5
Darjiling ...	Darjiling*	5,029	2,947	7,976	...	1	1	...	6.5	6.5	No male birth.	...	...	1	...	...	1	2	...	...	6.5	...	...	6.5	13.0	13.0	2	...	20.7	...	No female death.
Dacca ...	Dacca	42,782	37,379	80,161	8	5	13	5.2	3.2	8.4	160	...	...	6	5	...	11	22	...	...	3.9	3.2	...	7.1	14.3	17.5	12	10	14.6	13.9	120
	Narainganj	7,605	4,956	12,561	4	1	5	16.6	4.1	20.7	400	...	...	...	...	...	4	4	...	...	...	...	...	16.6	16.6	12.4	1	3	6.8	31.5	33
Chittagong ...	Chittagong	13,340	8,790	22,130	...	...	...	...	...	...	....	...	..	...	...	...	1	1	...	...	...	...	...	2.3	2.3	Not furnished.	1	...	3.9	...	No female death.
Tipperah ...	Comillah	8,153	5,353	13,506	2	1	3	7.7	3.9	11.6	200	...	...	2	1	...	2	5	...	...	7.7	3.9	...	7.7	19.3	46.2	3	2	19.1	19.4	150
Patna ...	Patna City	78,762	81,475	160,237	31	20	51	10.1	6.5	16.6	155	15	...	37	5	2	17	76	4.9	..	12.0	1.6	.6	5.5	24.7	17.2	31	45	20.5	28.7	69
Gya ...	Gya	38,290	37,831	76,121	16	14	30	10.9	9.6	20.5	114	7	..	49	4	1	20	81	4.8	...	33.5	2.7	.7	13.6	55.3	68.3	39	42	53.0	57.7	93
Shahabad ...	Arrah	20,960	22,505	43,465	7	8	15	8.4	9.5	17.9	87	2	...	9	1	...	2	14	2.4	...	10.7	1.2	...	2.4	16.7	15.6	6	8	14.9	18.5	75
Mozufferpore ...	Mozufferpore											Data not furnished.																			
Durbhanga ...	Durbhanga	33,774	32,322	66,096	26	23	49	40.4	37.1	38.5	113	...	...	7	4	...	6	17	...	...	5.5	3.1	...	4.7	13.4	20.5	10	7	15.4	11.3	143
Sarun ...	Chupra	26,044	27,205	53,249	11	7	18	10.7	6.8	17.6	157	1	...	7	...	...	5	13	1.0	...	6.8	...	...	4.9	12.7	14.6	6	7	12.0	13.4	85
Bhagulpore ...	Bhagulpore	29,640	27,813	57,453	...	1	1	..	.9	.9	No male birth.	1	...	1	...	...	2	4	.9	...	.9	...	...	1.8	3.6	12.7	2	2	3.5	3.7	100
Monghyr ...	Monghyr	28,154	29,366	57,520	22	24	46	19.9	21.7	41.6		6	...	24	7	...	7	44	5.4	...	21.7	6.3	...	6.3	39.8	38.9	26	18	48.0	31.9	144
Purneah ...	Purneah	8,463	6,553	15,016	2	2	4	6.9	6.9	13.9		...	..	4	...	...	...	4	...	...	13.9	...	...	...	13.9	10.4	2	2	12.3	15.9	100
Puri ...	Puri	13,247	11,537	24,784	7	6	13	14.7	12.6	27.3	116	1	..	8	...	...	9	18	2.1	...	16.8	...	...	18.9	37.8	23.1	11	7	43.2	31.6	157
	TOTAL ...	679,806	600,033	1,279,839	229	224	453	10.5	9.1	19.6	115	149	...	288	87	4	177	705	6.0	...	11.7	3.5	.2	7.2	28.6	28.(	385	320	29.4	27.7	1.0

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

Districts.	Names of Municipalities.	13. Class: Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	14. Class: Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	15. Age: Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16. Age: Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	1	2	..	..	...	588·1	4·4	...	...	...	...	.	...	..	...	1	1	...	1	...	..	...	...	...	.	6·6	7·5	......	21·2	......
Midnapore ...	Midnapore ...	...	12	1	...	...	...	24·1	7·2	..	...	1	2	1	1	...	1	1	3	1	2	70·0	44·2	13·9	17·1	...	7·1	9·4	41·9	25·2	56·8
Hughli ...	Hughli and Chinsurah ...	...	15	3	.	.	.	24·6	22·0	..	...	7	...	...	1	2	1	3	..	2	2	[illegible]	...	...	17·2	35·1	6·8	22·3	.....	31·8	41·5
Serampore ...	Serampore ...	.	12	...	...	...	...	24·7	...	.	...	3	1	...	1	1	..	3	1	2	..	219·7	28·5	...	23·4	21·8	...	31·4	15·4	54·3	......
	Utterpara ...	...	3	.	..	...	...	23·3	..	...	.	...	...	.	...	..	2	...	1	..	...	...	...	...	.	...	90·4	......	74·2	......	......
Howrah ...	Howrah ...	...	51	9	...	...	..	58·9	22·8	...	...	9	2		5	4	12	15	8	4	1	[illegible]	18·8	...	39·5	28·4	27·5	40·5	35·4	58·9	13·9
	Bali ...	.	14	1	..	...	...	54·3	39·7	...	...	4	2	2	..	...	1	1	1	1	3	574·6	104·1	97·6	...	.	15·5	18·6	26·9	49·6	213·1
24 Pergunnahs ...	Suburbs of Calcutta ...	7	183	67	.	...	89·9	65·5	36·1	.	.	34	35	13	11	18	45	33	28	21	19	371·0	115·8	34·2	29·0	52·0	41·3	33·3	42·9	64·4	69·4
Nuddea ...	Kishnaghur ...	..	4	1	...	...	..	11·2	6·3	..	...	1	...		2	...	1	...	...	..	1	104·3	.	.....	37·0	.....	10·8	....	.....	.....	30·1
	Ranaghat ...	...	...	...	...	...	..	...	.	...	...	...	...	..	.	...	...	..	.	...	...	.....	...	...	...	.....	...	...	.....	.....	.....
	Santipore ...	...	3	...	...	...	...	7·5	...	..	...	1	...	...	...	...	..	..	.	1	1	61·5	.....	.....	...	.....	...	...	.....	22·6	26·5
Jessore ...	Jessore ...	...	...	2	...	..	...	...	27·2	..	...	..	.		...	..	1	..	..	1	..	...	...	.....	....	.....	25·8	.....	.....	92·4	.....
Rajshahye ...	Rampore Beauleah ...	...	4	5	...	...	...	21·0	26·5	...	..	1	2	...	3	...	...	...	1	1	1	128·1	73·3	...	86·6	...	.....	.....	21·2	41·9	54·0
Darjiling ...	Darjiling ...	...	2	.	...	...	...	23·6	..	...	...	.	1	.	...	..	..	...	...	..	1	.....	80·9	...	...	...	...	.....	.....	.....	307·7
Dacca ...	Dacca ...	..	13	9	..	..	...	16·5	11·9	...	...	3	2	1	2	..	1	3	1	5	4	82·2	14·1	5·2	13·1	.....	8·4	13·4	6·2	54·9	37·3
	Narainganj ...	...	2	2	...	...	...	16·4	14·9	...	..	3	...	...	...	...	...	...	..	...	1	539·1	...	...	.....	.....	...	...	.....	.....	79·8
Chittagong ...	Chittagong ...		..	1		..	...	...	3·4	...	.	...	..	...	..	...	1	..	.	..	...	...	...	.	.....	.....	11·2	...	...	.....	.....
Tipperah ...	Comillah ...	.	3	2	...	...	...	25·2	14·1	..	...	1	...	..	..	.	2	2	...	...	..	175·1	...	...	.....	....	37·7	52·2	.....	.....	.....
Patna ...	Patna City ...	.	61	15	...	...	...	26·7	19·1	...	...	8	12	6	7	2	4	6	6	6	19	96·5	42·3	18·5	25·3	9·3	7·2	13·4	16·6	22·1	71·5
Gya ...	Gya ...	...	66	15	...	...	...	57·2	45·5	...	...	10	9	5	3	6	11	10	9	11	7	230·5	73·7	37·2	23·2	59·6	38·9	40·8	47·9	87·0	70·7
Shahabad ...	Arrah ...	...	12	2	...	...	...	20·1	5·4	...	...	2	...	...	...	2	4	...	1	1	4	80·7	.....	...	.....	33·0	25·5	.....	11·1	16·8	72·1
Mozufferpore ...	Mozufferpore ...	Data not furnished.																													
Durbhanga ...	Durbhanga ...	...	8	9	...	...	...	8·6	26·6	...	...	4	3	1	1	1	2	2	...	2	1	123·6	20·5	6·6	9·4	12·9	7·8	9·3	.....	23·7	16·3
Sarun ...	Chupra ...	...	12	1	...	...	...	15·2	4·3	...	...	3	...	1	...	2	2	...	1	1	3	108·0	.....	8·4	.....	29·1	10·9	.....	8·3	12·3	44·8
Bhagulpore ...	Bhagulpore ...	...	3	1	...	...	...	3·9	3·0	...	...	...	...	...	1	...	1	1	1	...	...	.....	.....	...	8·3	.....	4·8	5·6	8·1	.....	.....
Monghyr ...	Monghyr ...	...	33	11	...	...	...	58·4	45·5	...	...	8	14	1	...	3	5	...	1	...	12	280·1	117·0	7·4	.....	41·5	25·1	.....	8·2	.....	174·0
Purneah ...	Purneah ...	...	3	1	...	...	...	17·0	9·2	..	...	1	...	...	...	1	1	...	...	1	..	183·7	....	.....	.....	52·3	15·8	.....	...	55·5	.....
Puri ...	Puri ...	...	18	...	...	...	...	58·2	...	..	...	4	1	...	1	...	3	3	3	1	2	686·5	25·9	.....	27·7	....	29·5	38·5	46·9	23·3	57·8
	Total ...	8	539	158	...	...	35·5	31·7	21·7	...	...	105	87	31	35	41	102	84	66	63	84	191·2	42·8	12·7	17·8	22·6	20·2	19·7	23·1	35·6	56·0

Office of Sanitary Commissioner for Bengal;
The 7th November 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Offg. Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of September 1888.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDAH CANAL, 27 MILES. / MACHGONG ,, 4 ,,

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	REMARKS.
11	1. Grain ...	......	117	117	2,475	117	2,475	
...	2. Cotton ...	......	......	......	......	......	......	
...	3. Oilseeds ...	......	......	......	......	......	......	
...	4. Salt ...	......	......	......	......	......	......	
...	5. Piece-goods ...	......	......	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
9	7. Building materials	......	131	131	347	127	247	
3	8. Miscellaneous ...	6	24	30	3,480	30	3,480	
...	9. Fuel ...	......	......	......	......	......	......	
1 raft.	10. Timber ...	......	7 No	7 No.	7	7 No.	7	
2 rafts	11. Bamboos ...	......	1,600 ,,	1,600 ,,	27	1,600 ,,	27	
23 & 3 rafts.	12. Total ...	6	272 & 1,607 No.	278 & 1,607 No.	6,336	274 & 1,607 No.	6,236	
43	13. Total of same month last year.	......	693	693	5,104	133	4,523	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	1	22	23
15. Total number of boats plying passenger No.	5	1	6
15½. Total number of empty boats No.	24	10	34
16. Total registered tonnage, cargo Tons	239	467	706
17. Total registered tonnage, passenger Tons	100	141	241
18. Ton-mileage ...	3,216	6,732	9,948
19. Estimated value of cargo Rs.	50	6,252	6,302
20. Number of passengers No.	213	3	216
21. Rafts, bamboos ,,	......	1,600	1,600
22. Do., bullahs ,,	......	7	7
23. Estimated value of rafts Rs.	......	34	34
24. Tollage on boats ,,	33-12-0	92-9-0	126-5-0
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts ,,	......	1-10-6	1-10-6
27. Total tollage on boats per ton-mile ,,	......	......	0-0-2·43
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	127	15	6
Total tollage of same month last year ...	245	7	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	104	0	6
2. Tollage per month ..	[illegible]	15	6
3. Total ...	232	0	0
4. Amount credited in the accounts of the month ...	212	14	0
5. Balance due at the end of the month ...	19	2	0

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	PRIVATE. Quantity. Tons.	Value. Rupees.	REMARKS.
108	1. Grain ...	455	340	795	49,140	795	49,140	
...	2. Cotton ...	......	......	......	......	......	....	
11	3. Oilseeds ...	....	89	89	10,380	89	10,380	
16	4. Salt ...	27	55	82	7,100	82	7,100	
...	5. Piece-goods ...	......	...	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
24	7. Building materials	......	446	446	5,940	262	5,680	
101	8. Miscellaneous ...	730	357	1,087	1,87,180	1,072	1,86,750	
19	9. Fuel ...	69	......	69	200	69	200	
...	10. Timber ...	......	......	......	......	......	......	
...	11. Bamboos ...	......	......	......	......	......	......	
279	12. Total ...	1,281	1,287	2,568	2,59,940	2,369	2,59,250	
246 & 3 rafts.	13. Total of same month last year	1,216 & 150 No.	1,238 & 48 No.	2,454 & 198 No.	2,95,190	2,363 & 198 No.	2,95,030	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	172	107	279
15. Total number of boats plying passenger No.	41	48	89
15½. Total number of empty boats No.	131	138	269
16. Total registered tonnage, cargo Tons	2,185	1,989	4,174
17. Total registered tonnage, passenger Tons	1,010	1,283	2,293
17½. Total registered tonnage, empty boats. Tons	843	683	1,526
18. Ton-mileage ...	1,21,182	1,36,011	2,57,193
19. Estimated value of cargo Rs.	1,57,130	1,02,810	2,59,940
20. Number of passengers No.	1,279	1,818	3,097
21. Rafts, bamboos "	......	...	......
22. Do., bullahs "	......	......	......
23. Estimated value of rafts Rs.	......	......	......
24. Tollage on boats "	1,981-2-5	1,903-14-6	3,885-0-11
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	......	......	......
27. Total tollage on boats per ton-mile "	......	......	0-0-2·9
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	3,885	0	11
Total tollage of same month last year ...	3,567	9	4

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	4,961	3	8
2. Tollage per month ...	3,885	0	11
3. Total ...	8,846	4	7
4 Amount credited in the accounts of the month ...	5,216	12	
5. Balance due at the end of the month ...	3,629	8	1

HIGH LEVEL CANAL, RANGE I

LENGTH OF CANAL OPEN, 33 MILES.

Number of boats or rafts.	Description.	Total Government and Private — Quantity—Tons. Up.	Down	Total	Value. Rupees.	Private — Quantity. Tons.	Value. Rupees.	Remarks.
132	1. Grain ...	497	... ..	497	37,770	497	37,770	
...	2. Cotton .	......	. . . .	......	. .	.	......	
3	3. Oilseeds ..	11	......	11	900	11	900	
46	4. Salt ...	.. ...	193	193	16,200	193	16,200	
...	5. Piece-goods	......	......	... .	......	......	. . .	
...	6. Metal ...	......	......	...	......	...	......	
15	7. Building materials	94	......	94	770	94	770	
63	8. Miscellaneous ...	25	188	213	26,060	213	26,060	
5	9. Fuel .	36	.....	36	100	36	100	
...	10. Timber ..	...	.	... .	...	......	......	
...	11. Bamboos ..	...	..	.	... ..	......	......	
264	12. Total ...	663	381	1,044	81,800	1,044	81,800	
218 & 1 raft	13. Total of same month last year.	625 & 21 No	429	1,054 & 21 No.	1,00,730	1,054 & 21 No.	1,00,730	

	Up	Down	Total.
14. Total number of boats plying cargo No.	169	95	264
15. Total number of boats plying passenger No	5	1	6
15½. Total number of empty boats No.	36	107	143
16. Total registered tonnage, cargo Tons	1,086	715	1,801
17. Total registered tonnage, passenger Tons	6	1	7
17½. Total registered tonnage, empty boats Tons	147	441	588
18. Ton-mileage .	22,592	23,645	46,237
19. Estimated value of cargo Rs.	41,480	40,320	81,800
20. Number of passengers No	13	1	14
21. Rafts, bamboos "	.. .	... ..	.
22. Do., bullahs "	. ...	.. ...	
23. Estimated value of rafts Rs.	... .	.....	...
24. Tollage on boats "	337-1-6	275-8-3	612 9-9
25. Compounded tollage on boats Rs.	.. ...	. .	..
26. Tollage on rafts "	.. ...	.....	.. .
27. Total tollage on boats per ton-mile "	... ..	...	0-0-2·5
28. Total tollage on rafts per 100 cubic feet ..	......	......	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	612	9	9
Total tollage of same month last year	626	8	3

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	256	0	9
2. Tollage per month ...	612	9	9
3. Total	868	10	6
4. Amount credited in the accounts of the month	691	6	0
5. Balance due at the end of the month ...	177	4	6

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
62	1. Grain ..	168½	14½	183	8,787	183	8,787	
1	2. Cotton ...	......	1	1	8	1	8	
11	3. Oilseeds ..	...	48	48	4,148	48	4,148	
2	4. Salt ...	... ..	9	9	1,300	9	1,300	
2	5. Piece-goods ...	......	10½	10½	1,610	10½	1,610	
...	6. Metal .	......	... ..	. . .	... ..	......	......	
4	7. Building materials	......	466	466	233	14	220	
24	8. Miscellaneous ...	17	68	85	10,313	85	10,313	
2	9. Fuel ...	...	7½	7½	41	7½	41	
...	10. Timber ...	... ..	... ..	......	... ..	.... .	...	
...	11. Bamboos ...	......	.. ..	.. ...	...	. . .	......	
108	12. Total ...	185½	624½	810	26,440	358	26,427	
164 & 1 raft.	13. Total of same month last year	225	634 & 61 No.	859 & 61 No.	33,844	416½ & 61 No.	33,617	

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.	56	52	108
15. Total number of boats plying passenger No.	1	3	4
15½. Total number of empty boats No.	32	51	83
16. Total registered tonnage, cargo Tons	438½	1,369	1,807½
17. Total registered tonnage, passenger Tons	½	8	8½
18. Ton-mileage ...	5,173	5,748	10,921
19. Estimated value of cargo Rs.	7,282	19,158	26,440
20. Number of passengers No.	77	130½	207½
21. Rafts, bamboos ,,	...	... ..	......
22. Do., bullahs ,,	.	...	......
23. Estimated value of rafts Rs.	....	..	......
24. Tollage on boats ,,	63-15-6	75-1-9	139-1-3
25. Compounded tollage on boats Rs.	...	.....	......
26. Tollage on rafts ,,	. .	......	... ..
27. Total tollage on boats per ton-mile ,,	... ..	... ..	0-0-2·4
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	139	1	3
Total tollage of same month last year ...	352	6	9

Memorandum of Tollage.

	Rs.	A.
1. Balance not recovered on the 1st of the month ...	2	15
2. Tollage per month ...	139	1
3. Total ...	142	0
4. Amount credited in the accounts of the month ...	127	2
5. Balance due at the end of the month ...	14	14

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	Total Government and Private. Quantity—Tons Up.	Down.	Total	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
42	1. Grain ...	192½	10	202½	6,241	202½	6,241	
...	2. Cotton	......	......	......	......	......	......	
3	3. Oilseeds ..	......	11½	11½	1,248	11½	1,248	
5	4. Salt ...	4½	11	15½	1,736	15½	1,736	
...	5. Piece-goods ..	......	......	......	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
1	7. Building materials	......	4	4	15	......	......	
9	8. Miscellaneous ...	......	38	38	4,760	38	4,760	
...	9. Fuel ...	......	......	......	......	......	......	
...	10 Timber ...	......	......	......	......	......	......	
...	11. Bamboos	......	......	......	......	......	......	
60	12. Total ...	197	74½	271½	14,000	267½	13,985	
66	13. Total of same month last year.	69	218½	287½	13,336	133	13,067	

	Up	Down.	Total
14. Total number of boats plying cargo No.	39	21	60
15 Total number of boats plying passenger No.	....	1	1
15½. Total number of empty boats No	17	44	61
16. Total registered tonnage, cargo . Tons.	449	252	701
17. Total registered tonnage, passenger Tons.	.....	5	5
18. Ton-mileage .	3,733	3,580	7,313
19. Estimated value of cargo Rs	5,843	8,157	14,000
20. Number of passengers No.	66	130	196
21. Rafts, bamboos c. ft.	...	....	....
22. Do., bullahs "	...	...	......
23. Estimated value of rafts Rs.	...	..	...
24. Tollage on boats "	42-9-0	35-5-6	77-14-6
25. Compounded tollage on boats Rs	...	...	.....
26. Tollage on rafts "	......	......	....
27. Total tollage on boats per ton-mile "	...	...	0-0-2 05
28. Total toilage on rafts per 100 cubic feet ...	......	....	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	77	14	6
Total tollage of same month last year	119	2	3

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	......		
2 Tollage per month ...	77	14	6
3. Total ...	77	14	6
4. Amount credited in the accounts of the month ...	57	2	3
5. Balance due at the end of the month ...	20	12	3

JAJEPORE CANAL.

LENGTH OF CANAL OPEN, 6½ MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
4	1. Grain ...	2½	11	13½	573	13½	573	
...	2. Cotton ...	......	......	......	......	......	......	
2	3. Oilseeds ...	9	......	9	996	9	996	
...	4. Salt ...	......	......	......	......	......	......	
...	5. Piece-goods ...	......	...	...	......	......	......	
...	6. Metal ...	......	......	......	......	......	......	
2	7. Building materials	11½	......	11½	176	11½	176	
3	8. Miscellaneous ...	3	½	3½	321	3½	321	
...	9. Fuel ...	......	......	......	......	......	......	
...	10. Timber ...	......	...	......	......	......	......	
...	11. Bamboos ...	......	......	......	......	......	......	
11	12. Total ...	26	11½	37½	2,066	37½	2,066	
...	13. Total of same month last year	......	......	......	......	......	......	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	7	4	11
15. Total number of boats plying passenger No.	2	1	3
15½. Total number of empty boats No.	3	7	10
16. Total registered tonnage, cargo Tons.	53	34	87
17. Total registered tonnage, passenger Tons	4	1	5
18. Ton-mileage ...	336	204	540
19. Estimated value of cargo Rs.	1,710	356	2,066
20. Number of passengers ...	......	......	......
21. Rafts, bamboos No.	......	......	......
22. Do., bullahs ,,	......	......	......
23. Estimated value of rafts Rs.	......	......	......
24. Tollage on boats ,,	4-8-0	2-6-0	6-14-0
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts ,,	......	......	......
27. Total tollage on boats per ton-mile ,,	......	......	0-0-2·4
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	6 14 0
Total tollage of same month last year ...	......

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month	......
2. Tollage per month ...	6 14 0
3. Total ...	6 14 0
4. Amount credited in the accounts of the month ...	2 0 0
5. Balance due at the end of the month ...	4 14 0

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
951	1. Grain ...	4,719	814	5,533	2,50,078	5,533	2,50,078	
3	2. Cotton ...	4	9	13	4,100	13	4,100	
29	3. Oilseeds ...	59	239	298	32,906	298	32,906	
178	4. Salt ...	......	1,923	1,923	1,66,689	1,923	1,66,689	
19	5. Piece-goods ...	10	11	21	80,991	21	80,991	
30	6. Metal	82	203	285	2,30,170	285	2,30,170	
34	7. Building materials	98	85	183	2,303	183	2,303	
597	8. Miscellaneous ...	1,701	1,454	3,155	6,40,339	3,155	6,40,339	
56	9. Fuel ...	77	268	345	3,136	345	3,136	
12 rafts.	10. Timber ...	1,662 c. ft.	128 c. ft.	1,790 c. ft.	1,846	1,790 c. ft.	1,846	
...	11. Bamboos ...	......	......	......	......	......	......	
1,897 & 12 rafts.	12. Total ...	6,750 & 1,662 c. ft.	5,006 & 128 c. ft.	11,756 & 1,790 c. ft.	14,12,558	11,756 & 1,790 c. ft.	14,12,558	
1,723 & 54 rafts.	13. Total of same month last year.	6,750 & 10,070 c. ft.	3,549 & 90 c. ft.	10,299 & 10,160 c. ft.	10,48,311	10,299 & 10,160 c. ft.	10,48,311	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	1,189	708	1,897
15. Total number of boats plying passenger No.	556	592	1,148
15½. Total number of empty boats No.	490	730	1,220
16. Total registered tonnage, cargo Tons	12,209	16,578	28,787
17. Total registered tonnage, passenger Tons	3,014	2,682	5,696
17½. Total registered tonnage, empty boats Tons	2,132	3,029	5,161
18. Ton-mileage ...	265,062	375,894	640,956
19. Estimated value of cargo Rs.	4,77,426	9,33,286	14,10,712
20. Number of passengers No.	6,427	6,415	12,842
21. Rafts, bamboos c. ft.	......	......	......
22. Do., bullahs "	1,662	128	1,790
23. Estimated value of rafts Rs.	1,570	276	1,846
24. Tollage on boats "	5,534-11-3	4,267-4-3	9,801-15-6
25. Compounded tollage, on boats Rs.	......	......	......
26. Tollage on rafts "	30-6-0	2-1-6	32-7-6
27. Total tollage on boats per ton-mile "	......	......	0-0-2·9
28. Total tollage on rafts per 100 cubic feet "	......	......	1-13-0

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	9,834	7	0
Total tollage of same month last year ...	9,765	11	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month...	3,777	1	11
2. Tollage per month ...	9,834	7	0
3. Total ...	13,611	8	11
4. Amount paid into Treasury during the month ...	9,103	11	6
5. Balance due at the end of the month ...	4,507	13	5

HIDGELLEE TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	Description	Total Government and Private. Quantity—Tons Up	Down.	Total.	Value Rupees.	Private. Quantity. Tons.	Value. Rupees.
593	1. Grain	4,312	9	4,321	1,38,627	4,321	1,38,627
	2. Cotton		..	......			
	3. Oilseeds	.	....	..			
61	4 Salt		590	590	66,420	590	66,420
9	5. Piece-goods		39	39	27,500	39	27,500
2	6. Metal	......	11	11	1,450	11	1,450
8	7. Building materials	.	53	53	842	53	842
746	8. Miscellaneous ..	825	698	1,523	1,01,518	1,523	1,01,518
6	9. Fuel	6	21	27	189	27	189
	10. Timber	..	...	....			
	11. Bamboos		...	.....			
1,425	12. Total	5,113	1,121	6,564	3,36,546	6,564	3,36,546
1,414 & 12 rafts	13. Total of same month last year	3,971	1,382 & 850 c ft.	5,353 & 850 c. ft.	3,29,945	5,317 & 850 c. ft.	3,28,585

	Up	Down	Total
14. Total number of boats plying cargo No	769	656	1,425
15 Total number of boats plying passenger No.	41	50	91
16 Total registered tonnage, cargo Tons	10,813	5,346	16,159
17 Total registered tonnage, passenger Tons	584	647	1,231
18 Ton-mileage	2,08,094	1,14,695	3,22,789
19 Estimated value of cargo Rs	1,48,547	1,87,999	3,36,546
20. Number of passengers No	1,932	1,372	3,301
21. Rafts, bamboos c ft.		..	.. ...
22. Do., bullahs „		.	....
23 Estimated value of rafts Rs.		....	......
24 Tollage on boats „	3,645-9-0	2,010-12-0	5,656-5-0
25 Compounded tollage on boats Rs.		......	....
26. Tollage on rafts „		... ..	......
27 Total tollage on boats per ton-mile „		......	0-0-3 3
28. Total tollage on rafts per 100 cubic feet ..		.....	......

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	5,656	5	0
Total tollage of same month last year	4,762	4	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	2,192	0	0
2. Tollage per month ..	5,656	5	0
3 Total ...	7,848	5	0
4. Amount paid into Treasury during the month	3,519	7	6
5. Balance due at the end of the month ...	4,328	13	6

SONE CIRCLE.

PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 86¼ MILES

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
5	1. Grain ...	......	26	26	1,505	26	1,505	
1	2. Cotton ...	......	2	2	1,100	2	1,100	
30	3. Oilseeds ..	......	443	443	43,790	443	43,790	
1	4. Salt ..	43	...	43	4,498	43	4,498	
14	5. Piece-goods ...	86	......	86	16,950	86	16,950	
....	6. Metal ...	3	1	4	2,355	4	2,355	
50	7. Building materials	300	101	401	2,601	137	609	
37	8. Miscellaneous ...	78	245	323	57,647	323	57,647	
...	9. Fuel ...	......	10	10	80	10	80	
...	10. Timber ...	......	1	1	25	1	25	
...	11. Bamboos ...	...	......	....	...	......	......	
138	12. Total ...	510	829	1,339	1,30,551	1,075	1,28,559	
136	13. Total of same month last year.	358	940	1,298	1,58,986	1,218	1,58,535	

	Up	Down	Total.
14. Total number of boats plying cargo No.	67	71	138
15. Total number of boats plying passenger No.	4	4	8
15½. Total number of empty boats No.	41	42	83
16. Total registered tonnage, cargo Tons	1,078	1,276	2,354
17. Total registered tonnage, passenger Tons	108	120	228
17½. Total registered tonnage, empty boats Tons	206	185	391
18. Ton-mileage ...	41,964	93,717	1,35,681
19. Estimated value of cargo Rs.	31,071	99,375	1,30,446
20. Number of passengers No.	320	347	667
21. Rafts, bamboos c. ft.	......	.....	....
22. Do., bullahs „		864	864
23. Estimated value of rafts Rs.	......	105	105
24. Tollage on boats „	282-7-9	847-12-0	1,130-3-9
25. Compounded tollage on boats Rs.	75-0-0	75-0-0	150-0-0
26. Tollage on rafts „	....	2-11-9	2-11-9
27. Total tollage on boats per ton-mile „	.... ..	......	0-0-1·87
28. Total tollage on rafts per 100 cubic feet „	......	.....	0-5-0

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	1,282	15	6
Total tollage of same month last year ...	1,571	0	9

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	187	15	0
2. Tollage per month ...	1,282	15	6
3. Total ...	1,470	14	6
4. Amount credited in the accounts of the month	1,280	6	9
5. Balance due at the end of the month .	190	7	9

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	PRIVATE. Quantity. Tons.	Value. Rupees.	REMARKS.
40	1. Grain ...	67	347	414	22,737	414	22,737	
...	2. Cotton ...	3	......	3	3,390	3	3,390	
12	3. Oilseeds ...	7	92	99	8,064	99	8,064	
15	4. Salt ...	116	......	116	12,705	116	12,705	
2	5. Piece-goods ...	17	......	17	31,175	17	31,175	
1	6. Metal ...	11	1	12	84,068	12	84,068	
12	7. Building materials	9	129	138	989	129	539	
77	8. Miscellaneous ...	84	530	614	50,927	487	50,819	
3	9. Fuel ...	14	13	27	331	17	226	
...	10. Timber ...	1	......	1	98	1	98	
...	Firewood ...	......	17	17	72	17	72	
...	11. Bamboos ...	......	1	1	9	1	9	
162	12. Total ...	329	1,130	1,459	2,14,565	1,313	2,13,902	
173	13. Total of same month last year.	748	790	1,538	1,83,290	1,460	1,82,968	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	74	88	162
15. Total number of boats plying passenger No.	5	9	14
15½. Total number of empty boats No.	77	57	134
16. Total registered tonnage, cargo Tons	1,201	1,923	3,124
17. Total registered tonnage, passenger Tons	82	71	153
17½. Total registered tonnage, empty boats Tons	388	295	683
18. Ton-mileage ...	45,562	98,004	143,566
19. Estimated value of cargo Rs.	95,408	119,076	2,14,484
20. Number of passengers No.	980	832	1,812
21. Rafts, bamboos c. ft.	......	100	100
22. Do., bullahs ,,	......	......	......
22½. Do., firewood ,,	......	1,277	1,277
23. Estimated value of rafts Rs.	......	81	81
24. Tollage on boats ,,	259-8-9	602-7-0	861-15-9
25. Compounded tollage on boats Rs.	356-0-0	356-0-0	712-0-0
26. Tollage on rafts ,,	......	1-9-0	1-9-0
27. Total tollage on boats per ton-mile ,,	......	......	0-0-2·10
28. Total tollage on rafts per 100 cubic feet ,,	......	......	0-1-9

	Rs.	A.	P.
Total tollage of month—24 + 25 + 26 ...	1,575	8	9
Total tollage of same month last year ...	1,148	10	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month	127	14	9
2. Tollage per month ...	1,575	8	9
3. Total ..	1,703	7	6
4. Amount credited in the accounts of the month ...	1,654	2	3
5. Balance due at the end of the month ...	49	5	3

BUXAR CANAL SYSTEM.

Length of Canal open, 67 miles.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees	
19	1. Grain ...	......	388	388	38,654	388	38,654	
...	2. Cotton ...	......	......	......	......	......	......	
3	3. Oilseeds ...	2	67	69	9,269	69	9,269	
...	4. Salt ...	9	......	9	863	9	863	
...	5. Piece-goods ...	2	......	2	1,930	2	1,930	
...	6. Metal ...	1	......	1	480	1	480	
2	7. Building materials	......	36	36	674	36	674	
22	8. Miscellaneous ...	19	249	268	21,231	268	21,231	
3	9. Fuel ...	......	20	20	165	20	165	
...	10. Timber ...	......	......	......	......	......	......	
...	11. Bamboos ...	......	......	......	......	......	......	
49	12. Total ...	33	760	793	73,266	793	73,266	
58	13. Total of same month last year	74	607	681	55,353	577	53,048	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	4	45	49
15. Total number of boats plying passenger No.	8	8	16
15½. Total number of empty boats No.	19	5	24
16. Total registered tonnage, cargo Tons.	37	1,003	1,040
17. Total registered tonnage, passenger Tons.	216	216	432
17½. Total registered tonnage, empty boats Tons.	85	20	105
18. Ton-mileage ...	4,912	30,905	35,817
19. Estimated value of cargo Rs.	7,210	66,056	73,266
20. Number of passengers No.	490½	582½	1,073
21. Rafts, bamboos c. ft.	......	......	......
22. Do., bullahs „	......	......	......
23. Estimated value of rafts Rs.	......	......	......
24. Tollage on boats „	25-13-6	279-13-3	305-10-9
25. Compounded tollage on boats Rs.	75-0-0	139-0-0	214-0-0
26. Tollage on rafts „	......	......	......
27. Total tollage on boats per ton-mile „	......	......	0-0-2·78
28. Total tollage on rafts per 100 cubic feet ...	......	......	......

	Rs. A. P.
Total tollage of month—24 + 25 + 26 ...	519 10 9
Total tollage of same month last year ...	456 10 11

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month ...	112 15 9
2. Tollage per month ...	519 10 9
3. Total ...	632 10 6
4. Amount credited in the accounts of the month ...	566 9 6
5. Balance due at the end of the month ...	66 1 0

ABSTRACT FOR THE MONTH OF SEPTEMBER 1888 AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

Canal.	Traffic, 1888-89. During the month.	Traffic, 1888-89. To end of the month.	Traffic, 1887-88. During the month.	Traffic, 1887-88. To end of the month.	Remarks.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Circle.					
Taldunda Canal System ...	127 15 6	1,066 6 3	245 7 0	2,280 3 6	
Kendrapara Canal System	3,885 0 11	20,400 4 11	3,567 9 4	17,691 5 5	
High Level, Range I ...	612 9 9	2,714 11 3	626 8 3	2,964 13 6	
Ditto, „ II ...	139 1 3	1,271 14 9	352 6 9	1,851 9 9	
Ditto, „ III ...	77 14 6	644 1 9	119 2 3	595 2 6	
Jajepore Canal .	6 14 0	6 14 0	......	......	
Total Orissa Circle ...	4,849 7 11	26,104 4 11	4,911 1 7	25,383 2 8	
South-Western Circle.					
Midnapore Canal ...	9,834 7 0	64,065 3 3	9,765 11 6	60,015 2 6	
Hidgellee Tidal Canal ...	5,656 5 0	35,558 2 0	4,762 4 6	30,869 15 9	
Total South-Western Circle	15,490 12 0	99,623 5 3	14,528 0* 0	90,885 2 3	
Sone Circle.					
Patna Canal System ...	1,282 15 6	14,810 3 6	1,571 0 9	14,786 1 3	
Arrah ditto ...	1,575 8 9	10,989 4 3	1,148 10 0	8,637 11 1	
Buxar ditto ...	519 10 9	5,026 15 6	456 10 11	4,183 6 4	
Total Sone Circle ...	3,378 3 0	30,826 7 3	3,176 5 8	27,607 2 8	
Grand Total ...	23,718 6 11	1,56,554 1 5	22,615 7 3	1,43,875 7 7	

GOVERNMENT TRANSPORT SERVICE.

Canal.	Traffic, 1888-89. During the month. Passengers.	Goods.	Total receipts.	To end of the month. Passengers.	Goods.	Total receipts.	Traffic, 1887-88. During the month. Passengers.	Goods.	Total receipts.	To end of the month. Passengers.	Goods.	Total receipts.
	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A.
Orissa Circle.												
High Level	436	266	357 3 7	1,758	1,198	2,011 15 3	220	332	242 0 8	1,810	2,722	2,379 5
Total Orissa Circle ...	436	266	357 3 7	1,758	1,198	2,011 15 3	220	332	242 0 8	1,810	2,722	2,379 5

TOTAL NAVIGATION RECEIPTS.

Canal.	Earnings, 1888-89. During the month.	Earnings, 1888-89. To end of the month.	Earnings, 1887-88. During the month.	Earnings, 1887-88. To end of the month.	Remarks.
	Rs A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals ...	5,206 11 6	28,116 4 2	5,153 2 3	27,762 8 2	
Midnapore Canal ...	9,834 7 0	64,065 3 3	9,765 11 6	60,015 2 6	
Hidgellee Tidal Canal ..	5,656 5 0	35,558 2 0	4,762 4 6	30,869 15 9	
Sone Canals ...	3,378 3 0	30,826 7 3	3,176 5 8	27,607 2 8	
Total .	24,075 10 6	1,58,566 0 8	22,857 7 11	1,46,254 13 1	

CALCUTTA,
The 10th November 1888.

G. A. G. SHAWE,
Under-Secy. to the Govt of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing quantities of Goods carried during the month of September 1888.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up	Down.	Total	Rupees.	Tons.	Rupees.	
196	1. Grain ...	1,604	88	1,692	55,811	1,692	55,811	
... ...	2. Cotton ...	......	......	. .	. ..	......	......	
2	3. Oilseeds ...	75	......	75	6,300	75	6,300	
22	4. Salt ...	1	133	134	11,080	134	11,080	
1	5. Piece-goods ...	. ...	4	4	2,000	4	2,000	
......	6. Metal ...	.. ...	......	.....	...	.....	......	
2	7. Building materials		3	3	22	3	22	
567	8. Miscellaneous ...	137	605	742	79,495	742	79,495	
1	9. Fuel ...	......	2	2	20	2	20	
12 rafts	10. Timber ...	75 c. ft.	225 c. ft	300 c. ft.	311	300 c. ft.	311	
......	11. Bamboos ...	. ..	......	... .	......	...	......	
791 & 12 rafts.	12. Total ...	1,817 & 75 c. ft.	835 & 225 c. ft.	2,652 & 300 c. ft	1,55,039	2,652 & 300 c. ft	1,55,039	
684 & 264 rafts.	13. Total of same month last year	1,618 & 3,704 c. ft.	659 & 162 c. ft.	2,277 & 3,866 c. ft.	1,15,999	2,275 & 3,866 c. ft	1,15,849	

	Up	Down	Total.
14. Total number of boats plying cargo No.	378	413	791
15. Total number of boats plying passenger No.	68	68	136
16. Total registered tonnage, cargo Tons	4,225	3,092	7,317
17. Total registered tonnage, passenger Tons	892	937	1 829
18. Ton-mileage ..	1,68,702	1,40,973	3 09,675
19. Estimated value of cargo Rs.	68,975	85 753	1,54,728
20. Number of passengers No.	2,182	1,989	4,471
21. Rafts, bamboos C. ft.	... ..	......	... ..
22. Do., bullahs „	75	225	300
23. Estimated value of rafts Rs.	86	225	311
24. Tollage on boats „	2,971-1-3	2,468-11-0	5,439-12-3
25. Compounded tollage on boats Rs.	74-15-0	11-14-0	86-13-0
26. Tollage on rafts „	3-2-0	2-6-0	5 8-0
27. Total tollage on boats per ton-mile „	......	...	0-0-3·3
28. Total tollage on rafts per 100 cubic feet „	......	.. ...	1-13-4

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	5,532	1	3
Total tollage of same month last year ...	3,467	12	3

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ..	5,313	7	0
2. Tollage per month ..	5,532	1	3
3. Total .	10,845	8	3
4. Amount paid into treasury during the month ..	3,350	13	3
5. Balance due at the end of the month ...	7,494	11	0

Abstract for the month of September 1888 as compared with the corresponding month of the previous year.

	1888-89		1887-88.	
	During the month	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage	5,532 1 3	33,152 13 0	3,467 12 3	17,914 3 0

CALCUTTA,
The 10th November 1888.

G. A. G. SHAWE.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of September 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
992	1. Grain ...	13,107	......	13,107	10,75,900	13,107	10,75,900	* For detail see next page.
......	2. Cotton ...	......	......	......	......	......	......	
40	3. Oilseeds ...	545	11	556	62,240	556	62,240	
381	4. Salt ...	625	5,942	6,567	6,89,531	6,567	6,89,531	
......	5. Piece-goods ...	......	......	......	......	......	......	
4	6. Metal ...	3	24	27	5,062	27	5,062	
240	7. Building materials	7,810	55	7,865	1,43,636	7,865	1,43,636	
2,442	8. Miscellaneous* ...	16,135	736	16,871	19,41,300	16,871	19,41,300	
650	9. Fuel ...	11,648	2,341	13,989	1,05,757	13,989	1,05,757	
......	10. Timber ...	......	......	......	......	......	......	
......	11. Bamboos ...	......	......	......	......	......	......	
4,749	12. Total ...	49,873	9,109	58,982	40,23,426	58,982	40,23,426	
3,440 & 5 rafts.	13. Total of same month last year.	35,442 & 96 No.	7,446	42,888 & 96 No.	27,72,917	42,888 & 96 No.	27,72,917	

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	4,231	518	4,749
14a. Ditto empty "	1,852	676	2,528
15. Total number of boats plying passenger No.	414	9	423
16. Total registered tonnage, cargo Tons	1,63,998	1,558	1,65,556
17. Total registered tonnage, passenger Tons	891	59	950
18. Ton-mileage ...	14,21,425	15,580	14,37,005
19. Estimated value of cargo Rs.	32,78,687	7,44,739	40,23,426
20. Number of passengers No.	1,708	67	1,775
21. Rafts, bamboos C. ft.	......	....	......
22. Do., bullahs "	......	......	......
23. Estimated value of rafts Rs.	......	......	......
24. Tollage on boats "	29,149-11-0	5,646-10-0	34,796-5-0
25. Compounded tollage on boats Rs.	......	......	......
26. Tollage on rafts "	......	......	......
27. Total tollage on boats per ton-mile "	......	......	0-0-4·64
28. Ditto on rafts per 100 cubic feet ...	......	......	......

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	34,796	5	0
Total tollage of same month last year ...	27,229	8	6

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	581	7	3
2. Tollage per month ...	34,796	5	0
3. Total ...	35,377	12	3
4. Amount paid into treasury during the month ...	33,163	5	3
5. Balance due at the end of the month ...	2,214	7	0

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
786	(*a*) Jute ...	12,275	18	12,293	12,90,768	12,293	12,90,768	
54	(*b*) Jaggery ...	339	154	493	48,352	493	48,352	
18	(*c*) Sugar ...	131	......	131	33,075	131	33,075	
6	(*d*) Tobacco ...	22	15	37	7,210	37	7,210	
462	(*e*) Fish ...	74	......	74	20,842	74	20,842	
19	(*f*) Hides ...	28	......	28	6,160	28	6,160	
137	(*g*) Poultry ...	31	1	32	25,671	32	25,671	
31	(*h*) Hay and straw ...	230	......	230	4,836	230	4,836	
36	(*j*) Oils ...	42	444	486	68,025	486	68,025	
246	(*k*) Earthenware ...	206	......	206	2,881	206	2,881	
647	(*m*) Other miscellaneous ...	2,757	104	2,861	4,33,480	2,861	4,33,480	
2,442	Total Miscellaneous...	16,135	736	16,871	19,41,300	16,871	19,41,300	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of September 1888.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
2,251	1. Grain ...	8,849	......	8,849	6,31,459	8,849	6,31,459	* For detail see next page.
13	2. Cotton ...	121	......	121	57,375	121	57,375	
18	3. Oilseeds ...	450	......	450	50,400	450	50,400	
156	4. Salt ...	716	1,003	1,719	1,68,472	1,719	1,68,472	
......	5. Piece-goods ...	......	......	......	......	......	......	
......	6. Metal ...	......	......	......	......	......	......	
229	7. Building materials	2,189	......	2,189	10,086	2,189	10,086	
1,206	8. Miscellaneous* ...	4,950	65	5,015	4,99,500	5,015	4,99,500	
242	9. Fuel ...	3,410	......	3,410	26,509	3,410	26,509	
......	10. Timber ...	......	......	......	......	......	......	
6 rafts.	11. Bamboos ...	291 c. ft.	......	291 c. ft.	36	291 c. ft.	36	
4,115 & 6 rafts.	12. Total ...	20,685 & 291 c. ft.	1,068	21,753 & 291 c. ft.	14,43,837	21,753 & 291 c. ft.	14,43,837	
4,248 & 9 rafts.	13. Total of same month last year ...	18,074 & 266 No.	1,297	19,371 & 266 No.	11,98,957	19,371 & 266 No.	11,98,957	

	Up.	Down.	Total.
14. Total number of boats plying cargo ... No.	3,980	135	4,115
14a. Ditto empty ... "	1,663	461	2,124
15. Total number of boats plying passenger ... No.	262	15	277
16. Total registered tonnage, cargo ... Tons	56,245	3,678	59,923
17. Total registered tonnage, passenger ... Tons	554	48	602
18. Ton-mileage	5,88,268	58,848	6,47,116
19. Estimated value of cargo Rs.	13,37,904	1,05,897	14,43,801
20. Number of passengers No.	1,215	99	1,314
21. Rafts, bamboos C. ft.	291	......	291
22. Do., bullahs ... "	......	......	......
23. Estimated value of rafts Rs.	36	......	36
24. Tollage on boats "	9,928-8-3	912-10-6	10,841-2-9
25. Compounded tollage on boats ... Rs.	......	......	......
26. Tollage on rafts "	1-12-0	......	1-12-0
27. Total tollage on boats per ton-mile "	......	......	0-0-3·21
28. Ditto on rafts per 100 cubic feet ... "	......	......	0-9-7

	Rs.	A.	P.
Total tollage of month—24+25+26 ...	10,842	14	9
Total tollage of same month last year ...	10,255	13	0

Memorandum of Tollage.

	Rs.	A.	P.
1. Balance not recovered on the 1st of the month ...	193	2	0
2. Tollage per month ...	10,842	14	9
3. Total ...	11,036	0	9
4. Amount paid into treasury during the month ...	10,208	12	9
5. Balance due at the end of the month ...	827	4	0

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

TOLLY'S NULLAH.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
70	(a) Jute ...	429	......	429	45,037	429	45,037	
143	(b) Jaggery ...	691	29	720	70,595	720	70,595	
1	(c) Sugar ...	2	......	2	450	2	450	
23	(d) Tobacco ...	175	11	186	36,400	186	36,400	
27	(e) Fish ...	4	1	5	1,440	5	1,440	
......	(f) Hides ...	......	......	......	......	......	......	
17	(g) Poultry ...	5	......	5	2,122	5	2,122	
482	(h) Hay and straw...	941	......	941	31,626	941	31,626	
55	(j) Oils ...	579	......	579	81,000	579	81,000	
109	(k) Earthenware ...	114	2	116	1,625	116	1,625	
279	(m) Other miscellaneous ...	2,010	22	2,032	2,29,205	2,032	2,29,205	
1,206	Total Miscellaneous...	4,950	65	5,015	4,99,500	5,015	4,99,500	

ABSTRACT FOR THE MONTH OF SEPTEMBER 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	Traffic, 1888-89.						Traffic, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals ...	34,796	5	0	1,43,172	7	6	27,229	8	6	1,34,271	9	6
Tolly's Nullah	10,842	14	9	56,503	2	3	10,255	13	0	52,493	11	0
Total ...	45,639	3	9	1,99,675	9	9	37,485	5	6	1,86,765	4	6

CALCUTTA,
The 10th November 1888.

G. A. G. SHAWE,
Under-Secretary to the Government of Bengal.

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ended 22nd September 1888, as compared with the same period of 1887.

Staples.		1888. Weight.	1888. Freight.	1887. Weight.	1887. Freight.	Increase. Weight.	Increase. Freight.	Decrease. Weight.	Decrease. Freight.
		Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Animals, living	Horses, ponies, and mules ...	No. 84	1,292	No. 133	2,139	No. ...	......	No. 49	847
	Cattle ...	„ 313	2,608	„ 437	4,037	„ ...	......	„ 124	1,429
	Sheep and goats ...	„ 3,024	2,055	„ 2,371	2,068	„ 653	......	„ ...	13
	Other kinds ...	„ ...	......	„ ...	......	„ ...	......	„ ...	......
Borax ...		1,096	480	1,033	365	63	115	......	......
Canes and rattans ...		31	24	37	29	......	......	6	4
Caoutchouc (Indian-rubber) ...		55	25	72	41	......	......	17	16
Chinese and Japanese ware ...		4	8	20	2	......	6	16	......
Coal and coke, up ...		4,82,977	1,65,580	4,91,027	1,69,319	......	......	8,050	3,730
Ditto, down ...		20,72,227	2,91,249	19,54,747	2,73,209	1,17,480	18,040	......	......
Cotton, raw ...		15,754	16,110	21,129	23,043	......	......	5,375	6,933
Cotton, manufactured.	Twist and yarn (European) ...	8,233	10,992	8,606	11,299	......	......	383	317
	Ditto (Indian) ...	14,479	9,511	14,739	9,713	......	......	260	202
	Piece-goods (European) ...	98,496	1,06,569	1,35,627	145,194	......	......	37,131	38,625
	Ditto (Indian) ...	20,705	11,886	23,967	15,439	......	......	3,262	3,553
Drugs and Medicines.	Asafoetida ...	51	48	96	88	......	......	45	40
	Other sorts, not intoxicating...	1,359	1,850	1,219	1,814	140	36	......	......
	Intoxicating drugs (other than opium, *i.e.*, arsenic, bhang, ganja, and charas, &c.)	822	746	859	735	......	11	37	......
Dyeing Materials.	Indigo ...	6,682	1,240	3,190	856	3,492	384	......	......
	Madder or manjit ...	10	2	......	......	10	2	......	......
	Safflower ...	112	67	185	80	......	......	73	13
	Turmeric ...	5,829	2,698	6,179	3,227	......	......	350	529
	Other kinds ...	4,363	2,969	5,278	3,400	......	......	915	431
Earthenware and porcelain ...		388	567	308	493	80	74	......	......
Fibrous products.	Jute, raw ...	105,902	10,412	36,406	2,612	69,496	7,800	......	......
	Do., manufactured (gunny bags and cloths).	78,903	43,151	38,915	17,456	39,988	25,695	......	......
	Other fibres, raw ...	3,418	913	738	469	2,680	444	......	......
	Ditto, manufactured ...	1,440	467	1,315	331	125	136	......	......
Fruits & Nuts	Cocoanuts ...	9,126	4,147	12,654	6,719	......	......	3,528	2,572
	All other kinds ...	26,271	19,280	34,692	28,422	......	......	8,421	9,142
Grain & Pulses	Wheat ...	9,21,839	136,466	2,91,009	51,586	6,30,830	84,880	......	......
	Gram and pulses...	1,84,903	32,385	3,00,953	88,995	......	......	2,05,960	56,610
	Rice, husked ...	4,83,036	1,42,522	4,54,166	1,13,062	28,870	29,460	......	......
	Do., unhusked ...	30,976	3,811	11,656	2,931	19,320	880	......	......
	Other rain and spring crops ...	3,31,146	21,625	2,82,738	60,955	......	......	1,49,590	39,330
Government stores...		23,898	30,957	20,828	36,277	3,068	680	......	......
Gums and resins ...		2,699	1,413	3,227	1,561	......	......	528	148
Hides & Skins...	Hides of cattle ...	14,073	7,174	15,694	8,314	......	......	1,621	1,140
	Skins of sheep, goats, and small animals.	15,779	8,527	13,839	8,531	1,940	......	......	4
Horns ...		901	304	1,067	475	......	......	166	171
Lac ...	Lac, dye ...	406	199	281	107	125	92	......	......
	Do., shell ...	11,674	8,034	15,399	10,714	......	......	3,725	2,680
	Do., stick and other kinds ...	14,276	3,509	16,577	3,940	......	......	2,301	431
Leather ...	Leather, unmanufactured ...	1,272	2,524	1,898	3,758	......	......	626	1,234
	Ditto, manufactured ...	2,413	3,017	3,492	4,657	......	......	1,079	1,640
Liquors ...		12,157	11,859	15,002	13,172	......	......	2,845	1,313
Mats ...		336	163	423	259	......	......	87	96
Minerals ...		84,887	12,394	1,19,010	13,123	......	......	34,123	729
Metals and Manufactures of	Brass and copper ...	17,427	11,426	36,699	28,630	......	......	19,272	17,204
	Iron ...	91,133	46,792	90,768	44,628	365	2,164	......	......
	Other metals ...	3,715	4,666	8,506	7,054	......	......	4,791	3,788
Oils ...		55,934	29,087	32,059	15,990	23,875	13,097	......	......
Opium ...		,161	1,006	4	2	1,154	1,004	......	......
Paints and colours...		3,016	2,270	2,205	1,904	811	366	......	......
Provisions ...	Ghee ...	22,821	15,494	24,528	22,867	......	......	1,707	7,373
	Other kinds ...	5,672	3,930	5,632	3,713	40	217	......	......
Railway materials, Construction Account ...		10,427	668	22,249	1,113	......	......	11,822	445
Ditto ditto, Foreign ...		90,385	27,059	36,559	16,964	53,826	10,095	......	......
Salt ...		3,38,695	73,452	4,60,979	1,06,341	......	......	1,22,284	32,889
Saltpetre, &c.	Saltpetre ...	34,512	15,023	41,745	17,049	......	......	7,233	2,026
	Other saline substances ...	12,184	2,590	12,412	2,254	......	336	228	......
Seeds — Oil-seeds.	Linseed ...	4,74,540	1,34,684	4,40,410	1,24,544	34,130	10,140	......	......
	Mustard and rape ...	1,98,495	49,681	64,565	17,491	1,33,930	32,190	......	......
	Til or ginjelly ...	2,602	646	5,022	1,136	......	......	2,420	790
	Other oilseeds ...	1,11,169	37,352	65,429	20,272	45,740	17,080	......	......
Seeds — Other seeds.	Indigo seed ...	20,546	9,566	15,986	7,586	4,560	1,980	......	......
	Tea seed ...	......	......	......	......	......	......	......	......
	Other kinds ...	23,820	8,235	21,920	9,395	1,900	......	......	1,160
Silk ...	Silk, raw ...	1,249	1,127	1,407	1,126	......	1	158	......
	Do., manufactured (European)	......	......	......	......	......	......	......	......
	Do., ditto (Indian)...	548	320	479	278	69	42	......	......
Spices ...		6,593	5,486	8,053	6,174	......	......	1,460	688
Stone and marble...		1,01,848	11,315	85,244	8,871	16,604	2,444	......	......
Sugar ...	Sugar, refined ...	60,272	14,845	77,776	20,090	......	......	17,504	5,245
	Do., unrefined ...	31,516	6,050	31,869	6,058	......	......	353	8
Tea ...	Tea, Indian ...	2,468	3,560	2,853	2,075	......	1,494	385	......
	Do., Foreign ...	396	66	411	84	......	......	15	18
Tobacco ...		21,777	7,945	24,181	7,852	......	93	2,404	......
Wood ...	Timber ...	22,080	8,660	19,003	6,329	3,077	2,331	......	......
	Firewood ...	11,142	637	12,435	743	......	......	1,293	106
Wool ...	Wool, raw ...	445	200	615	526	......	......	170	236
	Do., manufactured (European).	1,668	2,958	1,694	2,982	......	......	26	24
	Wool, manufactured (Indian)	1,684	2,110	2,264	2,372	......	......	580	262
	Shawls ...	......	......	......	......	......	......	......	......
All other articles of merchandise ...		1,73,738	1,01,662	1,96,214	1,33,977	......	......	22,476	32,315
Bones ...		13,264	3,603	11,607	2,978	1,657	626	......	......
Potatoes ...		31,621	13,623	26,414	8,014	5,207	5,609	......	......
Total ...		68,98,045	17,97,721	63,40,491	18,04,777	13,44,655	3,70,043	6,75,279	2,77,554

General remarks on the fluctuation of principal staples carried over the East Indian Railway during four weeks ended 22nd September 1888.

INCREASES.

Coal and coke.—There was a decrease in the upwards, and an increase in the downwards coal traffic; the former was due to smaller demands from the public, and the latter to improved despatches to the Eastern Bengal State Railway, *vid* the Jubilee Bridge.

Jute, raw.—This is a continuation of the increase in August.

Gunny.—This increase was due to a good demand for gunnies from Delhi and stations above.

Wheat.—Due to a rising market at home, and also to a good demand for local consumption.

Rice (husked and unhusked).—This is attributable to considerable despatches of rice having been made to up-country stations, principally in the Dinapore district, to meet demands caused by a partial failure of the rainy season makai or Indian-corn crop.

Oil.—This increase was chiefly in kerosine oil from Howrah to up country-stations.

Railway material, Foreign.—Due to despatches to Asansol for the Bengal-Nagpur Railway.

Seeds.—The increase was chiefly in linseed, mustard, castor and poppy seed; the former was despatched to Bombay solely from stations above Mirzapore, and the latter three for local consumption.

Stone.—Due chiefly to despatches from Mirzapore, Chunar and Pahara.

Potatoes.—This increase was almost entirely in hill potatoes grown in the neighbourhood of Naini Tal.

DECREASES.

Cotton.—The despatches consisted entirely of the old crop, and the decrease was due to the same reason as referred to in previous months.

Piece-goods, European.—This decrease may principally be ascribed to the Doorga Poojah holidays having taken place in September 1887, but they fell later in 1888.

Fruits, other kinds.—This was principally in betel-nuts from Howrah and Sealdah owing to absence of demand.

Grain and pulses.—

Other rain and spring crops.—The decreases in these staples were due to heavy upward despatches last year in response to demands in the North-West Provinces and Rajputana consequent on failure of crops, whereas this year there have not been the same requirements.

Brass and copper.—Due to absence of demand owing to enhanced prices.

Salt.—Due to limited demand and stock at the large centres having been sufficient to meet requirements.

Sugar and jaggree.—This decrease was chiefly at the sugar-despatching stations in the Dinapore district suffering from poor crops.

Ghee.—This is attributable to want of demand in the Calcutta market.

N. ST. L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, *the 9th November* 1888.

Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of September 1888, *as compared with the same month of the previous year.*

Staples.	1887.		1888.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1887.	1888.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	624	......	767	......	624	767	143	......
Cotton, raw	11	......	2	......	11	2	......	9
Cotton twist and yarn—								
1.—European	1	......	......	......	1	......	......	1
Cotton piece-goods—								
1.—European	90	4	106	......	94	106	12	......
Jute—								
1. Raw	......	1	......	2	1	2	1	......
2.—Gunny bags and cloths	6	5	6	8	11	14	3	......
Grains—								
1.—Wheat	1	......	......	......	1	......	......	1
2.—Rice	129	378	47	324	507	371	......	136
3.—Gram	......	......	2	......	......	2	2	......
4.—Others	3	6	6	20	9	26	17	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	......	1	......	2	1	2	1	......
2. Skins of sheep, goats and small animals—								
a.—Dressed	......	......	......	1	......	1	1	......
b.—Undressed	......	1	......	......	1	......	......	1
Leather, manufactured	1	......	......	......	1	......	......	1
Metals—								
1.—Iron	3	......	7	......	3	7	4	......
2.—Others	2	5	1	2	7	3	......	4
Oils—								
1.—Kerosine	3	......	2	1	3	3	......	......
2.—Others	1	......	3	......	1	3	2	......
Provisions—								
1.—Ghee	4	......	......	1	4	1	......	3
2.—Dried fruits and nuts	......	......	......	15	......	15	15	......
3.—Others	......	......	5	2	......	7	7	......
Railway plant and rolling-stock	7	......	91	30	7	121	114	......
Salt	38	......	40	4	38	44	6	......
Oilseeds—								
1.—Mustard and rape	25	2	44	......	27	44	17	......
2.—Others	104	10	88	4	114	92	......	22
Silk, raw—								
1.—Indian	1	19	2	37	20	39	19	......
Silk piece-goods—								
1.—Indian	......	3	1	4	3	5	2	......
Stone and lime	68	......	......	......	68	......	......	68
Sugar—								
1.—Drained	15	......	10	......	15	10	......	5
2.—Undrained	2	......	1	......	2	1	......	1
Tobacco	1	3	1	5	4	6	2	......
Paper and pasteboard	4	......	6	......	4	6	2	......
All other articles of merchandise	42	32	90	19	74	109	35	......
Total ...	1,186	470	1,328	481	1,656	1,809	405	252

INCREASE. Tons.

Coal 143

This increase is due to greater demand for silk factories being worked on an extensive scale by steam power.

Cotton piece-goods—

(1) European 12

This is attributable to Junghipur piece-goods being carried this year by this way, the Muraroi road being unfit for cart traffic.

Grains—

(5) Others 17

This increase is due to export of *kalai* owing to high market rate in other places.

Provisions—

(2) Dried fruits and nuts 15

This increase is due to export of cocoanuts for Doorgapujah.

Railway plant and rolling-stock 114

This increase is due to more materials carried during the month.

Oilseeds—

(2) Mustard and rape 17

This increase is due to greater import, the bazar being high.

Silk, raw—

(2) Indian 19

This increase is due to Junghipur silk being exported *viâ* Azimganj, the Muraroi road being unfit for cart traffic.

DECREASE.

Cotton, raw 9

This decrease is due to dull market.

Grains—

(2) Rice 136

This decrease is due to less export from intermediate stations for low rates.

Oilseeds—

(6) Others 22

The decrease under this head is due to gooja seed not being imported this year.

Stone and lime 68

This was imported last year for building purposes, but there is no further demand this year, hence the decrease.

The 9th November 1888. R. G. MOOKERJEE, *Manager, Nalhati State Railway.*

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 3rd November 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	216,887	2,86,288 9 0	28,42,567 20	6,90,529 15 6	14,725 4 0	9,91,543 12 6	66,298	99,198½	165,496½
Or per mile of railway	......	189 2 0	... ..	456 2 9	9 11 8	655 0 5	......	......	......
For previous 17 weeks of half-year	3,837,071	39,35,089 0 0	3,95,88,172 0	77,09,718 4 4	2,78,187 13 7	1,19,22,095 1 11	1,086,430	1,336,581	2,423,011
Total for 18 weeks ..	4,053,958	42,21,377 9 0	4,24,30,739 20	84,00,248 3 10	2,92,913 1 7	1,29,14,638 14 5	1,152,728	1,435,779½	2,588,507½
Comparison.									
Total for corresponding week of previous year	256,777½	2,83,694 12 7	22,79,152 0	5,47,639 5 0	20,187 8 8	8,51,511 10 3	65,540	80,103	145,653
Per mile of railway corresponding week of previous year ...	......	187 6 7	......	361 13 4	13 5 4	562 8 3	......	......	......
Total to corresponding date of previous year	4,423,035½	45,58,067 8 10	3,89,80,770 10	84,91,723 5 2	3,09,962 12 5	1,33,59,753 10 5	1,180,296	1,462,243	2,642,539

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 5th November 1887.			Receipts for week ending 3rd November 1888.			Total receipts from 1st April 1887 to 5th November 1887.			Total receipts from 1st April 1888 to 3rd November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,513¾	8,51,512	563	1,513¾	9,91,544	655	1,513¾	2,57,67,304	549	1,513¾	2,45,94,223	524	......	11,73,081

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd November 1888, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,202	5,570 10 0	38,870 0	2,845 6 0	43 0 0	8,459 0 0	1,829	685	2,514
Or per mile of railway	178⅓	97 6 3	679 30	49 11 11	0 12 0	147 14 2	......	......	......
For previous 17 weeks of half-year	205,671	1,11,251 12 0	6,49,698 0	39,560 11 0	430 0 3	1,51,242 7 3	31,226	11,730	42,956
Total for 18 weeks ...	215,873	1,16,822 6 0	6,88,568 0	42,406 1 0	473 0 3	1,59,701 7 3	33,055	12,415	45,470
Comparison.									
Total for corresponding week of previous year	22,834½	12,063 2 9	25,186 10	1,893 7 0	28 11 6	13,984 5 3	2,394	......	2,394
Per mile of railway corresponding week of previous year ...	399	210 14 4	440 0	33 1 4	0 8 0	244 7 8	......	......	......
Total to corresponding date of previous year	271,758	1,47,097 14 9	6,30,569 30	42,253 7 0	597 5 9	1,89,948 11 6	34,489	10,951	45,440

Approximate Statement of gross receipts of the Patna-Gya State Railway prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 5th November 1887.			Receipts for week ending 3rd November 1888.			Total receipts from 1st April 1887 to 5th November 1887.			Total receipts from 1st April 1888 to 3rd November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	13,984	244	57½	8,459	148	57½	3,09,111	174	57½	2,73,625	154	......	35,486

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for the week ending 3rd November 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,893	416 4 0	8,533 10	228 13 0	8 0 0	653 1 0	407½	86	493½
Or per mile of railway	... ..	34 11 0	......	19 1 1	0 10 8	54 6 9	......	......	......
For previous 17 weeks of half-year	46,822	7,826 1 0	1,21,742 30	2,568 4 0	69 1 9	10,463 3 9	7,013½	1,610	8,623½
Total for 18 weeks ...	49,215	8,242 5 0	1,30,276 0	2,796 14 0	77 1 9	11,116 4 9	7,421	1,696	9,117
Comparison.									
Total for corresponding week of previous year	2,295	381 5 2	12,582 20	234 7 0	5 8 0	621 4 2	493	......	493
Per mile of railway corresponding week of previous year ...	......	31 12 5	......	19 8 7	0 7 4	51 12 4	......	......	......
Total to corresponding date of previous year	51,191	8,533 4 0	1,66,973 0	3,676 0 0	123 15 0	12,333 3 0	7,363	1,649	9,015

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 5th November 1887.			Receipts for week ending 3rd November 1888.			Total receipts from 1st April 1887 to 5th November 1887.			Total receipts from 1st April 1888 to 3rd November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	621	52	12	653	54	12	26,934	72	12	27,189	73	255	...

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd November 1888, on 74¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	6,634	4,752 13 0	57,467 30	2,206 13 0	58 0 0	7,017 10 0	664	860½	1,524½
Or per mile of railway	...	63 8 8	......	29 8 0	0 12 5	93 13 1	......	......	......
For previous 17 weeks of half-year	80,239	53,539 14 0	12,09,694 10	40,932 12 9	1,121 2 9	95,593 13 6	11,488	16,662¾	28,150¾
Total for 18 weeks ...	86,873	58,292 11 0	12,67,162 0	43,139 0 9	1,179 2 9	1,02,611 7 6	12,152	17,523¼	29,675¼
Comparison.									
Total for corresponding week of previous year	5,127	4,140 4 1	1,08,939 20	7,810 2 0	87 3 3	12,037 9 4	644	1,933	2,577
Per mile of railway corresponding week of previous year ..	......	55 5 8	......	104 6 7	1 2 8	160 14 11	......	......	......
Total to corresponding date of previous year	96,521½	72,594 13 11	17,56,681 0	71,252 10 0	1,818 10 0	1,45,666 1 11	12,892	27,522	40,414

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 5th November 1887.			Receipts for week ending 3rd November 1888.			Total receipts from 1st April 1887 to 5th November 1887.			Total receipts from 1st April 1888 to 3rd November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74¾	12,038	161	74¾	7,018	94	74¾	2,59,669	112	74¾	2,09,470	90	......	50,199

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ending 3rd November 1888, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,273	3,823 13 0	5,881 30	242 14 0	6 0 0	4,072 11 0	912	56	968
Or per mile of railway	.....	171 13 8	......	10 14 8	0 4 4	183 0 8	......	......	......
For previous 17 weeks of half-year	289,060	71,027 11 0	71,612 20	2,842 12 0	96 1 9	73,968 8 9	15,800	744	16,544
Total for 18 weeks ...	304,333	74,851 8 0	77,494 10	3,085 10 0	102 1 9	78,030 3 9	16,712	800	17,512
Comparison.									
Total for corresponding week of previous year	19,959	5,249 9 9	6,290 20	244 0 0	3 0 0	5,496 9 9	895	73	968
Per mile of railway corresponding week of previous year ...	......	235 15 0	.....	10 15 5	0 2 2	247 0 7	......	......	......
Total to corresponding date of previous year	319,193¼	78,403 14 2	76,909 30	2,808 12 0	96 8 6	81,399 2 8	17,033	863	17,896

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 5th November 1887.			Receipts for week ending 3rd November 1888.			Total receipts from 1st April 1887 to 5th November 1887.			Total receipts from 1st April 1888 to 3rd November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	5,497	247	22¼	4,073	183	22¼	1,58,465	230	22¼	1,61,369	234	2,900	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 27th October 1888, on 673 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	115,613	65,620 0 0	7,62,120 0	2,10,450 0 0	15,680 0 0	2,91,750 0 0	21,086	38,581	59,667
Or per mile of railway	172	98 0 0	1,132 0	313 0 0	*4 0 0	415 0 0	......	......	......
For previous 16 weeks of half-year	2,042,873	9,14,252 0 0	1,02,51,730 0	24,90,245 0 0	2,25,601 0 0	*36,30,098 0 0	361,491	432,025	793,516
Total for 17 weeks ...	2,158,486	9,79,872 0 0	1,10,13,850 0	27,00,695 0 0	2,41,281 0 0	39,21,848 0 0	382,577	470,606	853,183
Comparison.									
Total for corresponding week of previous year	144,479	a84,094 0 0	b8,27,929 0	1,66,143 0 0	45,686 0 0	2,95,923 0 0	21,472	27,131	48,603
Per mile of railway corresponding period of previous year ...	224	130 0 0	1,284 0	258 0 0	*23 0 0	411 0 0	......	......	......
Total to corresponding date of previous year	2,030,017	9,24,878 0 0	98,94,783 0	21,47,417 0 0	2,57,888 0 0	33,30,183 0 0	363,117	388,936	752,053

* Audited up to week ending 15th September 1888.
a Due to Sodepore *mela*; the amount also includes Rs. 14,400 on account of haulage of postal van.
b Includes 20,000 maunds for ballast trains.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	2,95,923	460	673	2,01,750	434	645	51,77,187	208	673	*58,67,310	200	*6,90,132	......

* Audited up to 15th September 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 27th October 1888, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	22,552	8,650 0 0	52,840 0	5,620 0 0	40 0 0	14,310 0 0	3,813	2,067	5,880
Or per mile of railway	180	69 0 0	423 0	45 0 0	......	114 0 0	......	......	......
For previous 16 weeks of half-year	*405,188	1,28,410 0 0	*10,05,583 0	1,07,656 0 0	1,462 0 0	*2,37,528 0 0	61,186	36,074	97,260
Total for 17 weeks ...	427,740	1,37,060 0 0	10,58,423 0	1,13,276 0 0	1,502 0 0	2,51,838 0 0	64,999	38,141	103,140
Comparison.									
Total for corresponding week of previous year	26,527	9,422 0 0	48,393 0	5,028 0 0	35 0 0	14,479 0 0	3,700	1,720	5,420
Per mile of railway corresponding period of previous year ...	212	76 0 0	387 0	40 0 0	... ...	116 0 0	......	......	......
Total to corresponding date of previous year	418,144	1,37,393 0 0	7,51,300 0	74,783 0 0	1,724 0 0	2,13,900 0 0	63,677	29,583	93,260

* Audited up to week ending 15th September 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	14,479	116	125	14,310	114	125	3,89,886	104	125	*4,13,640	110	23,754	.... .

* Audited up to week ending 15th September 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 27th October 1888, on 86 miles open

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,370	4,970 0 0	22,110 0	3,110 0 0	130 0 0	8,210 0 0	2,502	602	3,104
Or per mile of railway	144	58 0 0	257 0	36 0 0	1 0 0	95 0 0	......	......	......
For previous 15 weeks of half-year	205,802	64,738 0 0	2,50,654 0	18,921 0 0	3,950 0 0	*87,609 0 0	40,667	10,364	51,031
Total for 16 weeks ...	218,172	69,708 0 0	2,72,764 0	22,031 0 0	4,080 0 0	95,819 0 0	43,169	10,966	54,135
Comparison.									
Total for corresponding week of previous year	15,110	5,098 0 0	15,845 0	1,335 0 0	41 0 0	7,284 0 0	2,639	325	2,964
Per mile of railway corresponding period of previous year ...	176	69 0 0	184 0	16 0 0	......	85 0 0	......	......	......
Total to corresponding date of previous year	192,755	62,937 0 0	2,14,933 0	17,073 0 0	2,438 0 0	83,048 0 0	45,709	6,685	52,394

* Audited up to week ending 15th September 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	7,284	85	86	8,210	95	86	1,48,807	58	86	*1,60,684	62	11,877	.....

* Audited up to week ending 15th September 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 27th October 1888, on 38 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,540	1,030 0 0	30,740 0	3,370 0 0	30 0 0	4,430 0 0	546	546	1,092
Or per mile of railway	67	27 0 0	1,046 0	89 0 0	1 0 0	117 0 0	......	......	......
For previous 16 weeks of half-year	48,078	15,748 0 0	3,87,297 0	28,671 0 0	511 0 0	*44,930 0 0	8,614	8,614	17,228
Total for 17 weeks ...	50,618	16,778 0 0	4,27,037 0	32,041 0 0	541 0 0	49,360 0 0	9,160	9,160	18,320
Comparison.									
Total for corresponding week of previous year	3,037	1,054 0 0	10,855 0	828 0 0	25 0 0	1,907 0 0	546	546	1,092
Per mile of railway corresponding period of previous year...	78	27 0 0	278 0	21 0 0	1 0 0	49 0 0	......	......	......
Total to corresponding date of previous year	52,519	18,334 0 0	1,37,500 0	10,939 0 0	695 0 0	29,968 0 0	9,814	9,438	19,252

* Audited up to week ending 15th September 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,907	49	38	4,430	117	39	70,045	60	38	*93,397	82	23,352	......

* Audited up to week ending 15th September 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd November 1888, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,616	1,035 0 0	8,750 0	444 0 0	12 0 0	1,491 0 0	509	254	763
Or per mile of railway	96	38 0 0	321 0	16 0 0	....	54 0 0	......	......	......
For previous 17 weeks of half-year	50,820	17,911 0 0	1,84,932 0	10,997 0 0	1,556 0 0	30,464 0 0	8,653	6,250	14,903
Total for 18 weeks ..	53,436	18,946 0 0	1,93,691 0	11,441 0 0	1,568 0 0	31,955 0 0	9,162	6,504	15,666
Comparison.									
Total for corresponding week of previous year	2,843	1,026 0 0	4,318 0	273 0 0	42 0 0	1,341 0 0	509	254	763
Per mile of railway corresponding week of previous year ...	104	38 0 0	160 0	10 0 0	1 0 0	49 0 0	......	......	......
Total to corresponding date of previous year	26,942	19,911 0 0	1,56,193 0	9,616 0 0	321 0 0	29,848 0 0	9,344	5,742	15,086

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 5th November 1887.			Receipts for week ending 3rd November 1888.			Total receipts from 1st April 1887 to 5th November 1887.			Total receipts from 1st April 1888 to 3rd November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	1,341	49	27¼	1,491	54	27¼	53,144	63	27¼	58,384	69	5,240	......

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 27th October 1888, on 273 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 273 miles open	54,592	12,584 0 0	1,43,337 0	12,790 0 0	2,549 0 0	27,923 0 0	4,603	6,024	10,627
Or per mile of railway	127	46 0 0	525 0	47 0 0	2 0 0	95 0 0*	.....	....	.....
For previous 16 weeks of half-year	564,859	1,80,307 0 0	20,38,201 0	1,65,939 0 0	39,102 0 0	3,85,348 0 0	80,404	78,508	158,912
Total for 17 weeks ...	599,451	1,92,891 0 0	21,81,538 0	1,78,729 0 0	41,651 0 0	4,13,271 0 0	85,007	84,532	169,539
Comparison.									
Total for corresponding week of previous year on 249 miles open	63,426	27,021 0 0	1,16,624 0	11,290 0 0	2,439 0 0	40,750 0 0	6,593	4,504	11,097
Per mile of railway corresponding week of previous year ...	255	109 0 0	408 0	45 0 0	1 0 0	155 0 0*	......	......	......
Total to corresponding date of previous year	676,743	2,42,389 0 0	19,41,985 0	1,80,227 0 0	54,120 0 0	4,76,712 0 0	107,028	78,913	185,941

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."
Note.- Increase in passenger traffic in the corresponding week of previous year is due to Sonepore Fair.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 29th October 1887.			Receipts for week ending 27th October 1888.			Total receipts from 1st April 1887 to 29th October 1887.			Total receipts from 1st April 1888 to 27th October 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	40,750	164	273	27,923	102	249	9,32,075	125	260·8	(a) 9,10,910	116	....	21,165

(a) Includes figures for supplementary traffic return for quarter ending 30th June 1888.

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 3rd November 1888, on 273 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 273 miles open	33,100	11,219 0 0	1,49,815 0	15,507 0 0	3,030 0 0	29,756 0 0	4,727	6,642	11,369
Or per mile of railway	121	41 0 0	549 0	57 0 0	2 0 0	109 0 0*	... .	.... .	......
For previous 17 weeks of half-year	599,350	1,92,626 0 0	21,71,681 0	1,79,119 0 0	41,110 0 0	4,12,855 0 0	85,347	84,736	1,70,093
Total for 18 weeks ...	632,450	2,03,845 0 0	23,21,496 0	1,94,626 0 0	44,140 0 0	4,42,611 0 0	90,074	91,378	1,81,452
Comparison.									
Total for corresponding week of previous year on 249 miles open	91,536	36,317 0 0	1,15,986 0	13,989 0 0	2,929 0 0	53,235 0 0	10,533	4,237	14,770
Per mile of railway corresponding week of previous year ..	368	146 0 0	466 0	56 0 0	3 0 0	205 0 0*	...	... .	...
Total to corresponding date of previous year	768,329	2,78,706 0 0	20,57,971 0	1,94,216 0 0	57,055 0 0	5,29,977 0 0	117,561	83,150	2,00,711

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway"
Note.—Increase in passenger traffic in the corresponding week of previous year is due to Sonepore Fair having taken place earlier than in the current year.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 5th November 1887.			Receipts for week ending 3rd November 1888.			Total receipts from 1st April 1887 to 5th November 1887.			Total receipts from 1st April 1888 to 3rd November 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	53,235	214	273	29,756	109	249	9,85,310	128	261·2	9,40,250	116	......	45,060

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 27th October 1888	11,020
Corresponding week last year	9,272
Increase	1,748
Receipts from 1st July to 27th October 1888	2,02,089
From 1st July to 29th October 1887	1,66,186
Increase	35,903
	Miles.
Miles open week ending 27th October 1888	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 27th October 1888	216 1 3
Corresponding week last year	181 13 0
Increase	34 4 3

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CONTENTS.

RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE POLICE DEPARTMENT FOR THE YEAR 1887.

RESOLUTION.

POLICE.

Darjeeling, the 20th November 1888.

READ—

The Report on the Administration of the Police Department for the year 1887.

Read also—

The Reports for the years 1885 and 1886, and the orders of Government recorded thereon.

GENERAL.

1. Mr. Veasey's report was submitted a few days after the date on which it was due. He explains that the Chota Nagpore Report was more than a month late owing to the revised rules for the preparation of the report not having been attended to in the first instance. During the last three years it has always been the last, or the last but one, to come in, and the Lieutenant-Governor trusts that similar delays in its submission may not occur in future.

2. *Cost and numbers of Police Force.*—The actual expenditure for the financial year 1887-88 was Rs. 40,27,968 against Rs. 40,33,658 in 1886-87. The total strength of the police, including Railway Police, was 23,356. The cost of the police employed on purely police work is approximately

estimated at Rs. 26,05,943, or 7·6 pies per head of population. The proportion of police to area and population is shown in the following table:—

Provinces.	Number of police.	Area in square miles.	Population.	Proportion of police to square miles.	Proportion of police to population.
Bengal	11,9[illegible]8	70,956	34,821,373	1 to 5·9	1 to 2,904
Behar	6,953	44,139	23,127,104	1 to 7·4	1 to 3,844
Orissa	1,418	9,762	3,789,694	1 to 6·8	1 to 2,672
Chota Nagpore	1,388	26,966	4,225,989	1 to 19·4	1 to 3,044
Total ...	20,747	151,823	65,964,160	1 to 7·3	1 to 3,179

Batta allowance of one rupee a month, which was first introduced in 1880 in 5 districts, has, since the beginning of 1888, been granted in 13 districts, besides being temporarily allowed to the lower grade constables of the Dacca Special Reserve while on duty in Darjeeling. An increase of Rs. 5 has also been sanctioned to the third and fourth grade constables of this Reserve when at Darjeeling. The difficulty in getting recruits in Bengal near the Metropolis is steadily increasing, and in Mr. Veasey's opinion a further extension of batta to all men upon town duty will become inevitable before long.

3. *Town Police.*—The reports show how distasteful town duty is to the police. In Howrah there were 62 resignations among 309 men in the town police, while there were only 16 out of 247 in the district. In Dacca the town supplied 100 out of 113 resignations for the whole district. In Nuddea the number of vacancies which could not be filled up was so great that in some municipalities the number of men on duty was as much as 50 per cent. below the sanctioned strength, without, however, any serious outbreak of crime occurring. The Inspector-General urges that this bears out his contention that the expensive agency of regular police is altogether in excess of what is wanted for the rural or semi-rural tracts which form a large part of most Bengal municipalities. He also states that in many municipalities the town police are taken from their regular duties and employed in a more or less irregular manner. This is illustrated by the case of Noakholly, where four men out of a strength of fourteen have been detailed to look after tanks. He has promised a special report on the possibility of replacing the regular police in municipalities to some extent by a cheaper and more contented body. This report is awaited. It is evident that the subject is one which cannot be adequately dealt with in an annual report and the resolution upon it.

4. *Rural Police.*—It is difficult to draw any definite conclusions on this subject from the extracts from divisional and district reports, strung together without much method by the Inspector-General. It is alleged that in some districts of the Presidency and Dacca Divisions the chowkidars are too independent of the police to be of much assistance in investigations. There seems indeed to be a general complaint that the rural police are still far from being such useful auxiliaries of the regular police as they ought to be, and the Commissioner of Chittagong is of opinion that the amending Chowkidari Act has effected no improvement in this respect. The Lieutenant-Governor does not, indeed, wish the chowkidars to become a component and subordinate portion of the regular police, but it is very desirable that the two bodies should be more closely associated, and that District Superintendents of Police should have more control over the former. His Honour is prepared to consider any measures permissible under the existing law which may seem likely to bring this about, and he agrees with Mr. Veasey that one very effectual and easily adopted way of securing this would be that chowkidars should be punished by the Magistrate on the recommendation of the District Superintendent. This would also tend to insure more uniformity in discipline, and to prevent the violent fluctuations which now occur in many districts, as for instance in Bhagulpore, where the number of punishments rose from 83 in 1886 to 1,249 in 1887. A new system of chowkidari parades, which should lead to better reporting, has been introduced, under which men belonging to the same village no longer attend on the same day; so that a man going on Tuesday, for instance, cannot be certain how much information has been given

by another chowkidar belonging to his village who went on Monday. The subject of getting better reporting from chowkidars is one to which the efforts of district officers may usefully be directed. It is by keeping the regular police fully informed of the movements of criminals and bad characters, and of the occurrence of crime, that chowkidars can best fulfil their functions as the lowest link in the chain required for the repression of crime, and Colonel Ramsay has shown formerly in Patna and of late in Monghyr how much can be done by systematic attention to place the system of reporting on a better footing, and how useful such reporting may be made. No measures, however, can effect much good unless the chowkidars are regularly paid. There has indeed been some change for the better in this respect, as on the last day of 1887 only 8,183 chowkidars were in arrears for four months and over, against 9,002 in 1886; but there is still, in many places, great room for improvement, and District Magistrates should devote the utmost attention to securing the punctual payment of their chowkidars. It is satisfactory that the use of police agency in the payment of chowkidars has not been carried to such an excess as in 1886, though it is still abused in some districts, as in Tipperah, where orders were issued that station officers were to carry about the money for distribution to chowkidars. Such a use of the police takes them away from their proper work: it is also very likely to lead to embezzlement, as large sums of money have to be distributed by men on small pay under circumstances in which it is impossible to keep any effective check on them. These disadvantages more than counterbalance any possible gain from the closer association between the rural and regular police brought about by such measures. Again, the desired improvement in the working of the chowkidars and in their relations with the regular police, is not to be secured by dressing them up in comparatively expensive uniform, as has been done in Pubna, Mymensingh, and other districts. It is reported that in Pubna the regular police have been actually employed to distribute uniform among the chowkidars and to collect the cost, Rs. 3-8, for each suit of uniform, or something over a month's pay, from each chowkidar. The Inspector-General will be requested to convey to the officers concerned an expression of the Lieutenant-Governor's displeasure at these practices. The chowkidars remunerated by the tenure of service lands are very unfavourably reported on, and, according to Mr. Veasey, there is probably not a dacoity in Hooghly or Midnapore (where chowkidars holding such tenures are very numerous) in which one or more chowkidars do not have a hand, while in almost every case they failed to give information of the occurrence to the police. In some districts the number of chowkidars holding service tenures are excessive, and in Burdwan, where there are 11,062 such men, those who were dismissed and who resigned last year were very properly not replaced. In Chota Nagpore a thorough reorganization of the whole system of rural police seems to be required. In Hazaribagh, for example, the chowkidars are said to be practically the zemindars' or ticcadars' menials; while in Singbhoom the men are paid yearly, or even at longer intervals, and one chowkidar has 40 villages to look after.

5. *Miscellaneous.*—In this paragraph some disconnected facts are brought together, which, while deserving of brief mention, do not call for separate notice and may be conveniently brought under one head. In Darjeeling an improved scheme for patrolling the Nepaul frontier has been carried out since the close of the year, and in Singbhoom outposts to be held by ghatwals were in course of construction on the Midnapore-Chyebassa road. Three parties of punitive police still remain quartered in Backergunge villages. The men stationed at Ladua in Tipperah have been withdrawn owing to a new outpost at Matlab having rendered their presence unnecessary. The whole available strength of the Dacca Reserve was moved to Darjeeling in September in order to take the guards and set at liberty a portion of the district force required for special duty by the Deputy Commissioner. They subsequently did good service on the Sikkim frontier in services of a varied nature. The police maintained order at 186 fairs attended by about three-and-a-half million of people. Only 144 cases, none of them of a serious nature, were reported. The reports of the inspecting officers show that the drill of the force has been carefully attended to, and that, if there has been no marked improvement in the district reserves, there has been no appreciable falling off. Mr. Veasey remarks on this head: "The

difficulty which we have had all along to contend with in not being able to keep even a small body of men together for any length of time on account of the extreme weakness of the reserves still exists, and has indeed been aggravated by the constantly increasing demands for escorts for both prisoners and treasure." The Dumka Company were supplied with Sniders, and the Dacca Company has been similarly armed during the current year. The annual musketry returns show marked improvement in many districts, and a slight falling off in very few; they may therefore be considered on the whole satisfactory. The expenditure on account of police buildings came to Rs. 1,26,648-15-11 for 1887-88. The number of casualties decreased slightly to 13·4 per cent. against 14·7 in 1886, but this is a number which fluctuates from year to year, and the variations are not important. Maldah is a conspicuous example of how sick leave is given without any attempt at discrimination in some districts; while the death-rate was only 1·5 per cent.; the percentage of men received in hospital rose to 107·2. There were 181 escapes from police custody against 197 in 1886. Only 63 persons were recaptured. On this subject the Inspector-General remarks that local officers are apt to treat the negligence of police officers, to whom the escapes are due, as of little importance, and to embarrass the Executive by their recommendations not to dismiss the men in fault. The strength of police escorts furnished during the year came to 27,507 against 26,999 in 1886. They escorted treasure to the amount of Rs. 13,37,25,525-15 and 16,020 prisoners. None of the treasure was lost in transit. The number of accidental deaths decreased from 30,782 in 1886 to 28,510 in 1887. The decrease falls mainly under the heads of drowning and snake-bite, deaths falling from 14,303 to 12,890, and from 9,979 to 9,093 respectively. There was a slight increase under the head of other causes.

6. *Special Constables.*—A return relating to special constables shows that in Jessore, Pubna and Mymensingh special constables were appointed in far too large numbers. In Jessore the Deputy Magistrate of Narail appointed 262 special constables. In Mymensingh, out of 349 men 261 were appointed in one sub-division, and 112 of them in one case. In Rajshahye special constables were appointed for a term of two years. Mr. Veasey's opinion is that the guiding idea has been to frighten leading residents in disturbed neighbourhoods into good behaviour, and in fact as an easy and expeditious method of binding them over to keep the peace. This subject is under the consideration of the Lieutenant-Governor, and will be dealt with when the information is complete.

7. *Conduct of the Police.*—A charge of torture preferred at Contai in Midnapore, in which a man charged with theft complained that the head-constable who investigated poured water, in which chillies had been macerated, into his mouth and nose, and then sat on his chest, is reported to have been grossly mismanaged by all concerned. It is said that the Sub-divisional Officer made over the case to a Sub-Deputy, and then threw it out on the complainant putting in a petition to the effect that his witnesses would not give evidence. The superior police officers appear to have been equally apathetic, and it was only after much delay and confusion that the matter ended by the reduction of the head-constable originally accused. The Lieutenant-Governor has sent for the papers of the case, as if the facts were as stated above the officers concerned are deserving of the severest censure for their culpably inadequate treatment of the matter. At Utterpara a prisoner died of a ruptured kidney owing to ill-treatment by a constable and head constable who were convicted under section 325, Indian Penal Code, and sentenced to long terms of imprisonment. In Bogra a Sub-Inspector was sentenced to one year's rigorous imprisonment for the wrongful confinement and ill-treatment of a man. In Balasore a case against a Sub-Inspector and constable broke down. It seemed probable that the witnesses had been tampered with, and both men were dismissed. In a Purneah case, which ended in failure, a Sub-Inspector was accused of employing torture, but the Inspector-General thinks it may have been employed without his cognizance and in order to get up a case against him. In Bhagulpore a Sub-Inspector, constable and three chowkidars, accused of ill-using some Dasadhs, one of whom died, were acquitted at the Sessions, but were dismissed, though the Sub-Inspector was reinstated in a lower grade on appeal to the

Commissioner. The case appears to have been true, but to have broken down partly owing to the exaggerations of the friends of the deceased. The principal accused was the nephew of a Sub-Inspector very leniently dealt with the year before by the District Judge in a case in which he was charged with ill-using some bad characters in order to compel them to give information.

There were 15 cases of extortion, but all were petty. The number of judicial punishments fell from 525 in 1886 to 492, while departmental punishments rose from 5,095 to 5,137. The latter number seems high, and the Lieutenant-Governor trusts that the Inspector and Deputy Inspectors-General during their tours look carefully into the question of departmental punishments, and check any tendency to take unnecessary notice of trivial or technical offences. The figures, however, are on the whole not unsatisfactory, and Sir Steuart Bayley is pleased also to see that the number of men wearing good-conduct stripes rose from 11,012 in 1886 to 11,255 in 1887. Money rewards were given to 1,727 officers and men and 83 more were promoted. The corresponding figures for 1886 were 1,440 and 71.

8 *Personnel.*—The appointment of Assistant Inspector-General for the Railway Police has been sanctioned by the Secretary of State. The names of the police officers mentioned by the Inspector-General as having done good service will be noted in the Appointment Department.

CRIME.

9. *Criminal Statistics.*—The proportion of crime to population and police in various parts of India is shown in the following statement:—

PROVINCE.	Police.	Population	Crime (cognizable) *vide* columns 4 and 6 of statement A, Part 1.	Proportion of police to population.		Proportion of police to crime (cognizable).		Proportion of crime (cognizable) to population.	
				Policeman.	Persons.	Policeman.	Cases.	Case.	Persons.
North-Western Provinces and Oudh.	3[illegible],527	43,268,599	106,390	1 to	1,330	to	6 1	to	260
Punjab	20,385	18,842,264	74,301		924		3 1	,,	2[illegible]3
Central Provinces . ..	8,676	9,838,791	2[illegible],124		1,140		2 9	,,	301
Bombay, including Sind	19,099	15,68[illegible]	31,990		821		2 1	,,	392
Madras	21[illegible]7	[illegible]	1[illegible]3,5[illegible]8		1,430		5 7	,,	249
Assam, including Frontier Police.	4,131	5,909,918	11,805		1,346		2 6	,,	505
Bengal	23,[illegible]	6[illegible],064,160	107,180		2,798		4 5		

The incidence of cognizable crime to population varies from 1 case to 556 persons in the Burdwan Division to 1 case to 822 persons in the Chota Nagpore Division. Next but one to Burdwan comes the Presidency Division. These divisions contain a large urban population, and have consequently more than their share of nuisance cases and other petty offences, and they are also well supplied with police. In Dacca, where these conditions are absent, the proportion of cases to population is only 1 to 790; but there is no division where serious offences against the person are more common.

The total reported crime for the province has decreased compared with 1886, as will appear from the following table :—

		1886.	1887.	Decrease
Cognizable	...	105,793	101,969	3,824
Non cognizable	...	112,664	109,254	3,410
Total	...	218,457	211,223	7,234

The Burdwan, Presidency, Chittagong and Bhagulpore Divisions all show a considerable decrease. Patna is the only division which shows a large increase. The proportion of cognizable crime to non-cognizable changed very little. Chittagong again shows the smallest percentage of cognizable crime, only 27 2, while the largest proportions are as usual to be found in Patna and Chota Nagpore, which show 58·8 and 63·5 per cent., respectively, of cognizable cases. This is no doubt mainly due to the comparative poverty of the people in the latter divisions and their wealth in Chittagong. While in the Dacca Division generally, the percentage of cognizable cases is 40·7 and that of non-cognizable

cases 59·3, in Mymensingh the two classes of crime are exactly balanced, an indication of the fact that the police are undermanned and under-officered there. A proposal to increase the police force of that district has been sanctioned by Government.

The decrease of cognizable offences as compared with 1885 and 1886 is almost entirely under the head of cases against property. There were 63,174 such cases in 1887 against 71,746 in 1885 and 67,550 in 1886. There has been an increase from 24,904 in 1885 to 27,839 in 1887 under the head "Other cases." This, however, means nothing more than increased attention to conservancy, while the decrease under the head of offences against property, which are now lower than in any year since 1882, seems to show that bad characters are better known to, and watched by, the police, as there is no reason to suspect a falling off in the manner in which crime is reported.

10. *False cases.*—The percentage of cases declared false increased slightly from 5·5 in 1886 to 5·8. The percentage declared false was 13·4 in 1877, and the decrease continued without a check till 1886. The slight increase is possibly due to the following remarks which were made in paragraph 7 of last year's Resolution:—"But it should be borne in mind by magisterial officers that if they consider a case to be false, they should not hesitate to show it as false, even though there may not be sufficient grounds for the institution of a prosecution under section 211 of the Penal Code; it is obvious that any other procedure would lead to fictitious entries, and give a very false impression as to the real percentage of false cases." The variations noted in the report from 16·6 in Chumparun to 1·9 in Palamow must in great part, at all events, be due to difference in procedure, and in the case of Chumparun and Palamow the results are equally unsatisfactory in opposite directions. Chumparun has now headed the list four years running, and the percentage of cases declared false has risen from an average of 11·4 for the years 1880—84 to 17·2 for the years 1885—87. The District Magistrate considers that a large number of the cases returned as false were really true, and that they were shown as false through the desire of lazy and incompetent police officers to cloak their own failure to investigate the cases successfully. But if this theory is correct, the magisterial officers are open to blame for having accepted the reports submitted by the police without further examination. In Palamow and other districts, with a very small percentage of false cases, there can be little doubt that the Magistrates have far too often accepted reports by the police that cases were true, and it is to be feared that some times they have done this to save themselves the trouble so often entailed by an order to enter a case as false. How largely this, in many cases, operates to induce Magistrates to accept cases as true is shown by the returns in Burdwan, where the percentage of cases reported false has risen from 2·7 to 4·6, owing, it is stated, mainly to the discontinuance of a monthly return from Subordinate Magistrates showing their action in connection with cases declared to be false In Singbhoom, the percentage of cases declared false has risen from ·5 in 1884 and 1·6 in 1885-86 to 6·7 in 1887. Mr. Veasey attributes it to the improved condition of the people, and the increased facilities for vexatious litigation, but it seems more likely that it is due to the varying procedure which has so much to do with the variations in the district figures. Sir Steuart Bayley appreciates the difficulty of dealing satisfactorily with such cases; but he looks to District Magistrates to use their utmost efforts to prevent the entry of an excessive number of cases as false with a view to cloak bad work by the police, while at the same time Subordinate Magistrates must not be allowed to save themselves trouble by entering cases indiscriminately as true. Care must also be taken that cases are not too readily excluded from the returns as false through mistake. In Backergunge and Furreedpore, which head the list, this seems to have been done far too largely.

11. *Prosecution for false charges.*—The percentage of prosecutions in cases declared to be false was 22·4 against 23·6 in 1886, while the percentage of convictions in cases prosecuted rose from 29 7 to 30·2. The divisional percentage of convictions varies from 12·6 in Dacca to 47·3 in Chittagong. The following table shows by divisions the percentage of prosecutions to cases declared false,

the percentage of convictions in the cases brought to trial, and the percentage of cases prosecuted as false to cases instituted:—

	Percentage of prosecutions to cases declared false.	Percentage of cases prosecuted as being false to cases instituted.	Percentage of convictions to cases brought to trial.
Burdwan	13·7	1	12 7
Presidency	35·1	1·3	35·1
Rajshahye	21·5	1	32 9
Dacca	32·6	1·7	12·6
Chittagong	10·6	0·9	47·3
Patna	16·2	1·2	37·8
Bhagulpore	36·6	1·7	29·4
Orissa	38·1	1·4	42·2
Chota Nagpore	28	1·3	36·9

This table shows that the percentage of prosecutions to the number of cases instituted varied comparatively little in different divisions, while the variations were very great in the percentage of prosecutions to cases declared false. This is another indication of the great differences which exist in procedure regarding the more doubtful cases, which some Magistrates classify as false, others as true. The result of prosecutions appears to be very unsatisfactory in Burdwan and Dacca. The satisfactory results in the Presidency Division were largely due to the result of trials in the 24-Pergunnahs, where 41 prosecutions were instituted and 23 convictions obtained out of 52 cases declared false. In connection with this subject, Mr. Veasey points out that in order that a prosecution may succeed, its progress must be watched and any tendency to delay at once noticed. Care must also be taken that preliminary enquiries in which the complainant is called on to show cause why he should not be prosecuted are not allowed to expand into a trial. Mr. Veasey believes that an opinion obtains very generally that it is enough to declare a charge false, and a work of supererogation to push the matter further; but the Lieutenant-Governor trusts that few officers hold such a mistaken view. Sir Steuart Bayley must again repeat what has already been so often stated in the Annual Resolutions on the Police Report, that while cases should not be instituted, where it is obviously impossible to obtain a conviction, yet in every case where there appears to be a fair chance of success a complainant who has brought a false case should be prosecuted, and if convicted should be severely punished. Such a sentence as a fine of ten rupees, which a Subordinate Magistrate in one district considered a sufficient punishment, is useless as a deterrent.

12. *Refusal of enquiry.*—The remarks in the Resolutions on the Police Reports for 1885 and 1886, which were supplemented towards the close of 1887 by a circular from the Inspector-General of Police, have produced a marked effect. While the percentage of cases not enquired into under section 157, Criminal Procedure Code, was ·6 in 1884, ·7 in 1885, and ·4 in 1886, it rose in 1887 to 2·5. The divisional variations are even greater. Thus, in the Presidency the percentage of refusals has risen from ·1 in 1886 to 1·9; in Rajshahye from ·5 to 6·5, in Bhagulpore from ·4 to 4·2. The increase has been least in Patna, Orissa and Chota Nagpore. The figures for Orissa are ·8 in 1886 and 1·1 in 1887, and for Chota Nagpore 1·1 in the former and 1·7 in the latter year. In Patna the percentage of cases not enquired into was only ·6. The views of the Lieutenant-Governor on the subject appear not yet to be fully understood in some districts. In Julpigoree, for instance, the Deputy Commissioner withdrew altogether the discretion given by the law, and ordered all cases to be investigated. In passing such an order he exceeded his powers, and Sir Steuart Bayley desires to point out that the discretion is one which must be exercised. It requires to be carefully controlled, as it is liable to serious abuse, but its judicious exercise may relieve the police of much useless work. No general orders should be laid down in any district that particular classes of cases are not to be enquired into. Attempts at burglary, for instance, may sometimes be cases which it is extremely desirable to inquire into, though the majority of such cases may not require to be taken up. The Magistrate of a district is not exempt from responsibility on the plea that the orders on this head have not been properly explained to subordinate officers, as the remedy lies in his hands.

13. *Convictions and arrests.*—Deducting cases not enquired into or declared to be false, the police enquired into 85,196 cases. The percentage

of convictions to true cases enquired into by the police is 39·9 against 38·8 in 1886 and 38·3 in 1885. The total number of persons arrested by the police was 75,118, of whom 51,290 were convicted, or 68·2 per cent., the same proportion as last year. The percentage of convictions to men brought to trial varies from 83·1 in Darjeeling to 41·4 in Khulna. As the Inspector-General points out, a percentage of convictions much under the average means bad work, though the converse is not always true.

14. *Result of Sessions trials.*—The percentage of convictions fell to 56 from 57·8 in 1886 and 56·3 in 1885, which last figure again was lower than any during the five previous years. The remark in last year's Resolution that the figures showed that much depends on the presiding Judge even in jury districts, is again borne out by the figures for 1887. Thus, Howrah and Hooghly jury districts show 58·3 and 54·8 per cent of convictions against 37·8 and 32, respectively, in Midnapore and Beerbhoom.

15. *Property stolen and recovered.*—Property worth Rs. 10,82,748 is said to have been stolen, of which Rs. 2,75,758, or 25·4 per cent., was recovered. The corresponding figures for 1886 are Rs. 11,39,849 stolen and Rs. 3,26,462, or 28·6 recovered. The figures are not very trustworthy, and so far as they go the indications they afford are not satisfactory.

16. *Analysis of crime by classes.*—The annexed table shows the number of true cognizable cases for the last five years:—

	1883.	1884.	1885.	1886.	1887.
Class I.—Offences against the State and public tranquillity	2,639	2,769	2,802	2,891	2,901
" II.—Serious offences against the person	4,684	4,618	4,484	4,512	4,546
" III.—Serious offences against the person and property or against property only.	19,609	21,221	21,103	22,803	22,234
" IV.—Minor offences against the person	2,813	2,380	2,533	2,682	2,427
" V.—Minor offences against property	37,690	42,631	42,206	40,020	36,131
" VI.—Other offences not specified above	25,554	28,477	24,819	27,003	27,753

The decrease in class V and the increase, as compared with 1885, in class VI have been noticed in paragraph 9 The other variations will be more conveniently noticed when dealing with each class separately.

17. *Class 1, offences against the State and Public Tranquillity.*—The total number of coining cases rose from 111 to 127, of which the largest numbers are reported from the 24-Pergunnahs, Midnapore, and Howrah. In the 24-Pergunnahs some members of a gang mentioned in last year's resolution were committed to the Sessions and sentenced to various terms of imprisonment.

There was an increase of seven cases under the head of rioting. There was a considerable decrease in the Presidency and Rajshahye Divisions, from 409 and 318 respectively in 1886 to 273 in each division in 1887. In the Dacca Division there was an increase from 391 to 435, and in Patna from 264 to 349. How few of these cases are really important is shown by the fact that out of 10,562 persons brought to trial, only 305 appeared before the Sessions. The Magistrate of Bhagulpore complains that the number of cases is needlessly swelled because the police constantly send up the party attacked without making any allowance for the right of private defence. But the Lieutenant-Governor agrees with Mr. Veasey that the plea of private defence is in most cases one which it should be left to a judicial officer to decide. Mr. Collier's remarks on the subject of the large number of trivial offences entered under the head of riot are to the point:—"I am of opinion that a large number of cases are improperly entered as riots and unlawful assemblies. If two old women have a squabble in front of their houses, a few neighbours join so as to make up the number of five on either side, and a few slaps or kicks are exchanged, the occurrence is solemnly entered under section 147 as a riot. In England a constable would order them all to move on, and there would be an end to the matter." While the returns are swollen by a number of purely technical riots which it is impossible to forestall, there can be no question that in its more serious forms there is no offence more easily kept in check by timely preventive measures. The great majority arise out of disputes of some standing, and of the existence of which the

police should be aware. Where the dispute is about land, a summary inquiry regarding possession will often prevent its coming to a head. In other cases the principal parties should be bound down to keep the peace under section 107, Criminal Procedure Code. Such riots are inexcusable, as one which is reported from Hooghly, where the Hindus and Mahomedans fell out about kine-killing, and the police, although they had timely notice of the existence of the dispute, failed to take measures to avert a breach of the peace. It is also necessary, to check the offence of rioting, that punishment should be exemplary where a conviction is secured. Some Magistrates are still far from appreciating this. In Backergunge there were seven cases attended with loss of life, besides five in which persons were more or less hurt, and where the extreme lawlessness prevalent is shown by the fact that 3,511 persons were bound down to keep the peace against 258 in Mymensingh and the same number in Furreedpore; yet the Joint-Magistrate of the district thought it sufficient in an aggravated case of riot attended with loss of life to sentence the leader of one of the parties, who was armed with a gun, to one month's rigorous imprisonment and Rs. 200 fine. Apparently the reason for the leniency shown in this case was that the accused had kept out of the way for a year. In such a case, lapse of time does not diminish the heinousness of a crime, and it is no reason for passing a light sentence that the offender has been able for a long time to evade capture. It is very desirable that in cases of serious rioting every offender should be brought to justice, and the police ought not to be discouraged to hunt up absconders, as they must be if such light sentences as that just noted are inflicted. Another case of apparently inadequate sentence is reported from Tipperah. In this case there was a riot accompanied with loss of life. The principal accused was sentenced to a year's imprisonment, and his accomplices to a month each. In Manbhoom in a rioting case, in which a man was killed, a sentence of fine was considered sufficient. As Mr. Veasey gives no details, it is impossible to say whether or not the sentence was inadequate, but the Lieutenant-Governor has called for a further report both in this and in the two preceding cases. In the Patna district three cases of rioting resulted in loss of life, and in all three cases the jury refused to convict. The Magistrate remarks on this head that
jury to acquit.
Governor fears th
justification for it.

In Bettiah three Punjabis and a Brahman dressed in uniform attempted to levy contributions from the people, giving out that they were officers appointed by the Lieutenant-Governor of the North-Western Provinces to enquire regarding the routes leading to Nepal, the state of the camping grounds, and the amount of contribution each zemindar was willing to make to Government. They were convicted of the offence of personating a public servant, and sentenced to long terms of imprisonment.

18. *Class II. Serious offences against the person.*—The total is practically the same as in 1886, the figures being 4,545 against 4,542. The percentage of convictions in cases has slightly improved, and is better than in any year since 1882; but the percentage of convictions to persons tried is 44·6—the same as in 1886. It is satisfactory, however, that at the sessions the percentage of convictions to persons tried has risen from 48·5 in 1886 to 53·7 last year.

There were 250 murders, against 278 in 1886 and 288 in 1885. It is, however, noticeable that while this is the smallest number reported since 1880, the number of cases of culpable homicide is larger than in any previous year since 1880; the number last year was 217, whilst it was 215 in 1886, and less than 208 in every year since 1881, in which year there were 296 cases of murder. There appears, therefore, some reason to believe that the apparent decrease in the latter crime may be partly due to a growing desire to class cases in which death has been caused under a less serious head than that of murder. Sir Steuart Bayley approves of Mr. Veasey's suggestion to direct the submission in future of a separate note in every case in which a death has occurred, however it is shown in the returns. There has been a much needed improvement in the result of trials. Convictions were obtained in the case of 23·5 of the persons charged, against 17·1 in 1886. The improvement is still greater in

the percentage of convictions to cases, which was 28 against 21·9 in 1886. There was one case of murder by dacoits, 12 of murder by robbers, and 13 of murders by poison. In the last class only one person was convicted. Out of the 12 cases of murder by robbers, 6 were committed in Patna and 2 in Shahabad.

Mr. Veasey gives a melancholy list of failures in the Burdwan Division. In one remarkable case a man is believed to have murdered his father with the intention of falsely accusing his grandfather's creditor. The accused was acquitted, and the accuser absconded on proceedings being taken agaist him for bringing a false charge. In 28 true cases under the head of "Other murders," only eight persons were convicted in 7 cases, while 32 persons were discharged or acquitted. In the Dacca Division results were even worse, as only 12 persons were convicted against 65 discharged or acquitted. This is mainly due to the result of trials at Furreedpore, where convictions were only got in 10 per cent. of the cases and 6·2 per cent. of the persons tried. Mr. Veasey remarks that the police are in large measure to blame for the very bad results in such cases, and that they are too much in the habit of sending up persons whom they think guilty of the offence, regardless of the fact that there is not sufficient legal evidence for conviction. In the Presidency Division, in Jessore and Khulna, in 8 true cases only 9 persons were convicted, while 51 were discharged or acquitted. In Khulna, in three out of five cases men were murdered by relations of women whom they had seduced, but not a single conviction was obtained. In Eastern Bengal generally, murders are very frequently due to disputes about women. In Mymensingh, for instance, Mr. Veasey reports that "a girl was throttled by one of three men who had come to the house at night to beat her father Madhu, on account of an intrigue he had with the sister-in-law of one of them, named Sabu. A complication in this case is that Sabu had first revenged his brother's honour by attempting to outrage Madhu's wife, and that Madhu had complained against him to the zemindar in consequence. Thereupon, and as a punishment for instituting proceedings, the attack was arranged." Several murder cases are due to husbands kicking their wives for trifling offences. In one case a man was sentenced to six months' rigorous imprisonment for killing his wife, a girl of 12, because she refused to let him have intercourse a second time. He struck her on the mouth with his clenched fist and kicked her in the stomach, from which she died almost immediately.

Another frequent cause of murders is the belief in witchcraft. In Gya an old woman was ordered to leave her village on the ground that she was a witch. On her returning to the village, she was set on and murdered by the villagers. In another case in the same district, a reputed wizard was charged with poisoning a woman who had called him in to cast out an evil spirit, because her servants had offended him by digging up and removing a doll which he had buried to represent the demon which he had been called in to exorcise. In Monghyr a woman was murdered by her brother-in-law, who believed she had bewitched him. He went to Calcutta to escape her influence. Losing his money there, he became desperate and returned home, convinced there was nothing left for him but to remove her. He attacked and killed her with a knife he had bought and specially consecrated to render her spells powerless. A Kol was murdered by a fellow-tribesman for failing to cure him of a disease. In Pooree a reputed wizard was murdered by his neighbours. In Hazaribagh a reputed witch was severely beaten, and a stick was forced up her person completely penetrating the womb. In Lohardugga a woman, suspected of witchcraft, was murdered in the same way, and she was found with her infant child lying dead by her side.

There is a large increase from 102 to 168, under the head of "Hurt by dangerous weapons," in the Patna Division. The result of trials was very bad —49 convictions to 118 acquittals for the division. The figures for Chumparun are 3 convictions to 20 acquittals. Out of 84 cases of exposure of infants in Bengal, 48 were reported from the Patna Division—a decrease of six as compared with 1886—and 28 of these 48 cases occurred in Shahabad and Sarun. There were 40 convictions to 5 acquittals. In Bhagulpore in two out of three cases of kidnapping the boys were taken to Assam, and in one case, an inadequate sentence having been passed, a reference was made to the High Court. The Collector of Bhagulpore remarks that this has had a very good effect.

19. *Class III.—Serious offences against the person and property or against property only.*—There were 22,234 cases against 22,803 in 1886. The following table shows the figures for the last two years under the principal heads:—

	1886.	1887.
Dacoity	103	109
Robbery	156	146
Serious mischief and cognate offences ...	700	750
Mischief by killing any animal	633	625
Lurking house-trespass or house-breaking ...	20,941	20,366
House-trespass	264	233

Dacoity is most prevalent in the Burdwan, Rajshahye, and Bhagulpore Divisions, which account for 70 out of the provincial total of 109. Bhagulpore heads the list with 24 against 23 each in Burdwan and Rajshahye. The number in 1884 was only eight. Purneah is the worst district with 11 cases, followed by Midnapore with 10 and Dinagepore with 8. The number of dacoities in the Chota Nagpore Division has fallen from 18 in 1886 to 4—a remarkably low number, as the form it took in the division was petty highway robbery; probably it is in part due to the fact that the gang at work in 1886 has been broken up. Out of the 109 dacoities, 63 were professional. That this crime is so well kept down is entirely due to police supervision. Judicial results are extremely bad. The percentage of cases in which convictions were obtained was 20·8, against 30·9 in 1886, while 25·5 of the persons sent up were convicted, against 31·6 in 1886. Mr. Veasey reports that most of the dacoities in the Burdwan Division were committed by up-countrymen and local bad characters, and there can be little doubt that more deterrent sentences would have great effect in checking this form of crime. The maximum punishment is transportation for life or ten years' imprisonment; but according to the Inspector-General the term of imprisonment is rarely more than five or seven years, while to be in possession of the proceeds of a dacoity seems to be regarded as a small matter. In Dinagepore Mr. Knyvett succeeded in unearthing two gangs. In one of the cases committed by one of these gangs, an iron safe, containing cash and valuables to the amount of Rs. 2,000, was taken away, though the gang was so well known that a constable was employed in watching it at the time; his silence was purchased by a bribe of Rs. 24, and it was only a month after that a clue was obtained, when a school pundit who had taken down the names of the men implicated revealed what he knew. This case must have been well known to every one of the villagers, yet none of them thought it necessary to report the facts, and this is a good illustration of the difficulties the police have to deal with owing to the disinclination of the people to bring to justice criminals so long as their own interests are not affected.

The total number of true cases of mischief by fire is 373, one less than in 1886. As many as 121 cases were declared false. The Rajshahye Division is again the worst with 116 true cases, of which 86 were committed in Dinagepore, and were mainly the work of professional incendiaries. This form of terrorism is employed by the professional criminals of that district to overawe villagers and prevent them from reporting crime and giving evidence. The smaller landlords also are believed to make use of it to intimidate their neighbours, while individuals occasionally resort to it to satisfy a personal grudge. Seventeen persons were arrested, but not a single conviction could be obtained. It is certainly—as the Magistrate remarks—a step in the right direction to have ascertained the prevalence of the crime, but this is a very small step towards checking it.

With regard to cases of house-breaking, the only point to be noticed is the very large increase in the number of cases not enquired into, from 106 in 1886 to 1,254 in 1887. A too liberal use of the power to refuse enquiry in such cases must be guarded against.

20. *Class IV.—Minor offences against the person.*—This class of offences calls for no remarks.

21. *Class V—Minor offences against property.*—The total number of cases fell from 40,020 in 1886 to 36,131 in 1887. Including burglaries, which, for purposes of comparison, may be conveniently grouped with offences of this class, the number of cases fell from 61,225 to 56,730. This last number is still greater by 1,300 than the total for 1883, when offences under these heads

began to increase, but as allowance has to be made for improved reporting, there is reason to think that a decided check has been given to this form of crime.

Rajshahye and Chota Nagpore are the only Divisions from which more cases are returned, and in the former Division the apparent increase is explained by the improvement in reporting in the district of Dinagepore, where there had been formerly much concealment of the crime. The result of this improvement has been an increase of over 50 per cent. in the crime reported, which has risen from 1,543 to 2,320. Nearly half the cases of cattle-theft, 115 out of 253, came from this district, where it would appear that this form of crime is closely connected with that of incendiarism, referred to in paragraph 19. For it is reported that incendiarism is resorted to by cattle thieves to "intimidate and prevent witnesses coming forward, or complaints being made." Connected with cattle-stealing is a system of black-mail, by which the owner is directed to the spot where his cattle has been taken on paying a consideration. The increase in Chota Nagpore is small, from 2,965 to 3,107, and is not accounted for.

In Patna there has been a further decrease from 12,640 to 12,285, a little under the figures for 1883, after which crime began to increase. In Gya the number of burglaries has decreased from 2,632 in 1885 to 1,456. In this district the worst gangs have been broken up, and though it would be Utopian to expect professional burglars to reform, yet on coming out of jail they now have to form new connections, and a more serious obstacle to their operations is that they find they are known and watched. In Sarun, out of 346 burglaries 206 were reported as without theft. In half of these cases fresh enquiries were held, but in 2 cases only was it found that property had been stolen, and in these cases the property taken was of very trifling value. Mr. Pughe, the District Superintendent there, gives good reasons for his belief that a very large proportion of burglaries are and must be unsuccessful. In Monghyr credit for a decrease of cattle-theft by 50 per cent. is given to the chowkidars, who, as has been remarked in a previous paragraph, are fully utilised by Colonel Ramsay, and who have, as Mr. Veasey remarks, far better opportunities for detection than the police.

22. *Other offences not specified above.*—There were 27,753 cases against 27,003 in 1886. The following table shows the figures for the last two years under the principal heads of this class:—

Heads of this class.	1886.	1887.
Vagrancy or bad character	1,210	1,570
Offences against Excise Laws	2,836	3,184
Opium Act	390	335
Railway Act	350	248
Salt and Customs Laws	359	399
,, Arms Act	1,061	1,220
Public and local nuisances	19,316	19,184
Other special and local nuisances cognizable by police	1,338	1,478

It is satisfactory to find that more use has been made of the bad livelihood sections of the Code of Criminal Procedure, but Sir Steuart Bayley would desire to see more uniformity of practice in different districts than is at present the case. Such variations as now exist between adjoining districts, as, for instance, 2 cases in Khoolna against 30 in Jessore, 2 in Julpaiguri against 49 in Rungpore, 19 in Chumparun against 98 in Sarun, 1 in Lohardugga against 32 in Manbhoom, must in many cases lead to bad characters moving from districts where the law is properly utilised to neighbouring districts where they are left to carry on their war against society undisturbed by vexatious police interference. Sir Steuart Bayley has nothing to add to his remarks of last year, in which he pointed out that, while he does not advocate a return to the policy of indiscriminate prosecution in force before 1876, yet he would have Magistrates bear in mind that about fifty times as many persons are proceeded against in England on suspicion under the Vagrancy and Prevention of Crime Acts as are prosecuted under the corresponding sections of the Indian Procedure Code. The Lieutenant-Governor desires again to impress upon Magistrates the importance of disposing of such cases as quickly as possible. In Mymensingh the average

duration of 109 cases was 12·4 days, and in Sarun of 98 cases only 7 days, while in Backergunge the average duration of 187 cases was 59·6 days, owing apparently to too literal an observance of the generally valuable rule that such cases should be tried in the village in which they occur. One case in that district lasted 223 days. Delay only lessens the chances of conviction, while it is unfair to the accused to let them have charges hanging over their heads for months. In Purneah the rule as to local enquiries has been allowed to become almost a dead-letter, as there were only 5 local trials in 90 cases: notwithstanding this the average duration of cases was 30 days. In Dinagepore it is reported that the bad characters have given some trouble by starting a false charge against the police the moment they find a report has been sent in about them. The Lieutenant-Governor agrees in the remark of the Magistrate quoted by Mr. Veasey, that it is useless to bind down a budmash on the security of two other budmashes in sums of Rs 25, and that there should be some condition as to the respectability of the sureties.

The continued decrease in the number of cases under the Opium Act is probably mainly due to the restrictions imposed on the prosecution of opium cultivators who retain small quantities of opium in their possession. The small number of prosecutions in Bhagulpore, Durbhunga and Purneah, all districts bordering on Nepal, show that in those districts, at all events, there must be much undetected opium-smuggling, as it is impossible to believe that the cases detected form at all a fair percentage of those occurring There has been a slight increase in the number of cases under the Arms Act, but the only serious offences reported are from Dinagepore, where, through the negligence of the Inspector, the vendors of arms and ammunition were able to falsify their accounts for months in order to conceal sales to Nepaulese.

23. *Railway Police.*—The number of cases reported was 2,780, and 2,268 persons were convicted out of 2,707 brought to trial. Some excellent work was done on the East Indian line, especially in detecting and arresting railway pick-pockets; one constable specially told off for this got hold of three old offenders in as many days. In one case, where the trying Magistrate is said to have refused to grant any remand, the accused, who only got three months' imprisonment, was afterwards found to be a well known Calcutta thief with four previous convictions against him, the last of which was for six years' imprisoment inflicted in 1880. Mr. Veasey gives, as an instance of the care with which enquiries are made, if facilities for doing so are given, the case of an old offender caught at Somastipore picking pockets, who was taken over the whole length of the line between Cawnpore and Calcutta and exhibited at every jail of any size before he was identified at Benares.

24. *Non-cognisable crime.*—There is a net decrease of 3,410 cases following an increase of 6,668 in 1886. The details are shown in the following table:—

	Number of cases.	
	1886.	1887.
Class I	8,063	8,706
„ II	72	38
„ III	1,028	925
„ IV	58,945	57,093
„ V	10,665	9,404
„ VI	10,877	10,487
Special laws	23,014	22 601
Total	112,664	109,254

In class I, offences against public justice increased from 4,713 to 5,390. Cases of petty assaults (class IV) decreased by 1,868, and cases of mischief (class V) by 852, showing that litigation as a luxury was less resorted to, probably mainly owing to the fact that on the whole the crops were not so good in 1887 as in 1886. In the 24-Pergunnahs there has been a decrease of 422 in cases under special laws, and as it is accompanied there by a decrease in cognizable nuisance cases, it is to be feared that it points to a diminution in the interest taken in sanitation. Balasore, Manbhoom, Lohardugga, Gya, Chumparun, Darjeeling, and the Chittagong Hill Tracts show in the returns that every person summoned attended, while in the last four districts the

number who attended was apparently in excess of those summoned. It is not creditable to the officers concerned that they should have sent up figures which are clearly incorrect.

25. *Proceedings under the Criminal Procedure Code.*—The number of cases under Chapter X fell from 597 to 553, while there were 341 cases under Chapter XII (disputes as to immoveable property), against 307 last year. These figures seem to indicate that Magistrates do not make sufficient use of their powers under these Chapters. The Inspector-General is unable to furnish complete figures for 1887 of cases under section 107 owing to the instructions in last year's Resolution not having been complied with by Magistrates. The Lieutenant-Governor desires all District Magistrates to attend to this in furnishing returns for the current year. As was pointed out in last year's Resolution, serious riots may often be prevented under the provisions of the Criminal Procedure Code noted above by the institution of judicious proceedings.

26. *Remands.*—Altogether 35,353 A forms were sent up. They were disposed of as follows:—

		Percentage.
At first hearing ...	12,062	34·2
Remanded once ...	7,236	20·5
Ditto twice ...	5,353	15·1
Ditto thrice ...	3,503	9·9
Ditto four times ...	2,315	6·5
Ditto five " ...	1,516	4·3
Ditto six " ...	929	2·6
Ditto more than six times	1,640	4·6

There is a slight improvement as compared with 1886 under the heads of remands six times and more than six times, but all the other figures are worse.

27. *Reconvictions.*—1,451 persons were reconvicted, against 1,442 last year; but as there were 1,600 fewer convictions for cognizable offences, the percentage of reconvictions has increased considerably. It is very satisfactory that in 152 cases, as against 108 in 1886, men were proved to have been convicted three times or more. This shows that a partial knowledge only is not accepted, and that the registers are better kept. Monghyr is first with 93 cases, followed by Patna with 84.

28. *Criminal tribes.*—It is proposed to establish settlements similar to those of the Mughya Domes in the case of the Tutea Mussulmans of North Midnapore, a tribe of professional burglars. The Dharees of Monghyr are reported to be hemmed in so closely as to be unable, as formerly, to commit their depredations all over Behar. Only 67 out of 1,010 adult males were unaccounted for on the last day of February. Burwars, though always deported when caught, under the Criminal Tribes Act, continue to arrive in considerable numbers from Gonda. 49 Mughya Domes were arrested and sent up in Sarun, where they are a constant source of trouble. As the local officers submit separate reports on the efforts made to reclaim them, it is unnecessary to deal with the matter here.

ORDER.—Ordered that a copy of the above Resolution be forwarded to the Inspector-General of Police and the Commissioner of Police, Calcutta.

Ordered also that a copy of the Resolution be forwarded to all Commissioners of Divisions for information.

Ordered also that a copy of the Resolution and extract paragraph 51 from the report be forwarded to the Appointment Department of this office for information.

Ordered also that the Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

J. WARE EDGAR,

Chief Secretary to the Government of Bengal.

REPORT ON THE STATE OF THE SALT MARKET FOR THE SECOND QUARTER OF 1888-89.

No. 851B, dated Calcutta, the 10th November 1888.

From—K. G. GUPTA, Esq., Offg. Secy. to the Board of Revenue, L.P.,
To—The Secretary to the Government of Bengal, Financial Department.

SALT.

MR. REYNOLDS.

I AM directed by the Board of Revenue to submit the following report on the state of the salt market for the second quarter of 1888-89, comprising the months of July, August and September, 1888.

2. The quantity of salt of every description cleared during the quarter under report amounted to 25,58,891 maunds 37 seers 10 chittacks, against 27,71,718 maunds 22 seers 4 chittacks in the previous quarter, and 24,04,508 maunds 23 seers 4 chittacks in the corresponding quarter of the previous year; and the net amount of duty levied thereon was Rs. 59,62,538-12, against Rs. 60,81,419-2 in the previous quarter, and Rs. 45,13,822-8 in the corresponding quarter of the previous year.

3. The quantity of excise salt sold in Orissa during the quarter under review and the quantity which remained in store at the close of the quarter are shown in table I:—

TABLE I.

	Cuttack.			Pooree.			Balasore.		
	MDS.	S.	C.	MDS.	S.	C.	MDS.	S.	C.
Balance at close of the last quarter	3,041	5	0	35,876	35	0	......		
Received from the manufacturers during the quarter ...	......			2,16,907	0	0	......		
Total ...	3,041	5	0	2,52,783	35	0	......		
Sales during the quarter ...	500	0	0	36,300	0	0	......		
Wastage	......			50	0	0	......		
Total ...	500	0	0	36,350	0	0	......		
Balance at close of the quarter ...	2,541	5	0	2,16,433	35	0	......		

4. The above statement shows that the total sale of excise salt during the quarter under review amounted to 36,800 maunds, against 24,998 maunds 10 seers in the previous quarter, and 30,118 maunds in the corresponding quarter of the previous year.

5. The subjoined table shows in comparison the importations into the port of Calcutta and the total clearances of sea-imported salt during the quarter under review and the corresponding quarters of the previous two years:—

TABLE II.

	1886-87.		1887-88.		1888-89.	
	Second quarter.		Second quarter.		Second quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Liverpool pungah	14,86,253	20,36,806	18,72,019	17,84,625	23,42,554	20,31,936
Foreign kurkutch ...	4,88,632	5,29,817	5,13,567	3,89,213	2,49,885	2,93,473
Indian ditto ...	1,98,181	1,63,324	1,45,623	1,26,970	1,81,550	1,45,398
Total	21,73,066	27,29,947	25,31,209	23,00,808	27,73,989	24,70,807

6. The following are the details of the Indian kurkutch salt shown in the above table:—

TABLE III.

	1886-87.		1887-88.		1888-89.	
	Second quarter.		Second quarter.		Second quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bombay	1,98,081	1,63,324	1,45,628	1,26,970	1,81,550	1,45,369
Madras	100	...	...	...	...	...
Rangoon	...	...	...	...	...	29
Total ...	1,98,181	1,63,324	1,45,623	1,26,970	1,81,550	1,45,398

7. Table IV shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the results of the previous four quarters:—

TABLE IV.

WHERE STORED.	Second quarter of 1887-88.	Third quarter of 1887-88.	Fourth quarter of 1887-88.	First quarter of 1888-89.	Second quarter of 1888-89.
	Mds.	Mds.	Mds.	Mds.	Mds.
Sulkea Government Golahs	7,86,071	9,86,779	10,36,591	8,94,651	9,52,679
Chittagong do. do. ...	1,22,105	1,68,566	95,487	71,969	43,462
Total ...	9,08,176	11,55,345	11,32,078	9,66,620	9,96,141

8. The despatches of salt from Calcutta by water and the three railways passing the several salt-pass stations into the interior of the country, both east and west of the river Hooghly, during the quarter under review, and the corresponding quarters of the previous two years, are shown in the table below:—

TABLE V.

PERIOD.	*Viâ* Balikhall.	*Viâ* Sankrail.	*Viâ* Gowakhally.	*Viâ* Kidderpore.	*Viâ* Balliaghatta	*Viâ* Ruthtollah Ghât.	By the East Indian Railway.	By the Eastern Bengal and South-Eastern Railways or *viâ* Chitpore.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Second quarter of 1886-87 ...	5,43,804	1,80,368	53,505	1,03,766	3,73,944	1,46,632	8,16,430	1,91,938
Ditto of 1887-88	4,98,493	1,64,182	56,114	1,02,605	3,66,363	16,610	8,07,518	2,95,014
Ditto of 1888-89 ...	4,88,371	1,56,374	45,293	1,23,110	3,24,979	5,090	7,36,777	2,57,938

9. The quantity of salt despatched by the East Indian Railway to stations beyond Buxar during the quarter under review amounted to 8,703 maunds as noted in the margin, against 17,399 maunds 10 seers in the previous quarter, and 32,368 maunds 30 seers in the corresponding quarter of the previous year.

	Mds.
July ...	3,000
August ...	900
September ...	4,803
	8,703

10. The shipments of Liverpool salt for the port of Calcutta according to published market reports were as follows:—

	Tons.
July	43,200
August	24,320
September	11,180
Total	78,700

No shipments were reported during the quarter under review for the port of Chittagong.

11. Table VI shows the market price per 100 maunds of Liverpool and other descriptions of salt at the close of each fortnight during the quarter, as compared with those obtaining during the same period last year :—

TABLE VI.

Description of Salt.	Prices on the 15th July		Prices on the 31st July		Prices on the 15th August		Prices on the 31st August		Prices on the 15th September		Prices on the 30th September	
	1887.	1888.	1887.	1888.	1887.	1888.	1887.	1888.	1887.	1888.	1887.	1888.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Liverpool pungah	61	82	62	83	58	83	59	70	62	72	64	72
French kurkutch	58	60	59	58	55	61	50	58	50	61	50	60
Jedda ditto	57	60	61	56	55	58	47	58	41	50	40	53
Bombay ditto	55	76	53	75	52	76	52	77	53	77	53	76
Italian ditto	58	60	59	58	55	61	50	58	50	61	50	60
Muscat ditto	57	58	57	57	50	57	47	62	44	58	44	60
Rock	90	70	90	75	90	75	90	80	65	80	60	80

12. The following table shows the quantity of sea-imported salt admitted into bond and cleared from bond and shipboard at Chittagong and Narain-gunge during the quarter under review and the corresponding quarter of 1887-88 :—

TABLE VII.

Port.	Description of Salt.	Admitted into bond.		Cleared.	
		Second quarter of 1887-88.	Second quarter of 1888-89.	Second quarter of 1887-88.	Second quarter of 1888-89.
		Mds. s. c.	Mds. s. c.	Mds. s. c.	Mds. s. c.
Chittagong	Liverpool pungah	75,554 0 0	11,950 0 0	59,660 35 0	49,666 20 0
	Hamburg kurkutch	......	......	6,490 0 0	......
	Burmah pungah	......	......	0 5 0	0 11 0
	Madras kurkutch	......	......	1 17 0	0 15 8
Naraingunge	Liverpool pungah	......	......	7,425 0 0	......
	Total ...	75,554 0 0	11,950 0 0	73,577 17 0	49,667 6 8

No transactions in sea-imported salt have been reported for the quarter from the ports of Cuttack, Pooree, and Balasore.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 24th November 1888.

No.	District and date of return.		Rainfall at Suddor Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
	Western Districts.			
1	Burdwan	Nov. 24, '88	Nil	Weather—seasonable. Harvesting of *amun* has commenced; outturn expected to be fair. Prospect of *rubbi* crops good.
	Bankoora	24, '88	Nil	Weather—seasonable. Prospects of *haimanti* rice continue the same as before; outturn expected to be 10 annas in the Sudder sub-division and 8 annas in the Bishenpore sub-division. Sowing of *rubbi* nearly completed. Sugar-cane prospering. Prices of rice have slightly risen.
	Birbhum	24, '88	Nil	Weather—seasonable. Estimate of *amun* outturn 8 annas. *Rubbi* prospects fair.
	Midnapur	24, '88	Nil	Cold weather rapidly setting in; no sign of rain. Prices easier all over the district. Preparation for *boro* crop progressing.
	Hugli	„ 24, '88	Nil	Weather—cool and settled. Rice harvest has begun; and although it will be a short one, from 8 to 12 annas, there is no fear of scarcity or distress in this district. *Rubbi* crops promise well.
	Howrah	„ 26, '88	Nil	Weather—seasonable. *Amun* harvest begun. *Boro* paddy being sown. Prospects fair.
	Central Districts.			
	24-Perghs.	Nov. 27, '88	Nil	Weather—cool and cloudy. Prospects of late rice not much better than before; those of other standing crops somewhat improved since the last rain. Harvesting of *amun* has commenced; average outturn estimated at from 9 to 11 annas.
	Nuddea	„ 24, '88	Nil	Weather—cool and seasonable. The late rain has improved the prospect of the crops in every part of the district except Kushtea, where very little rain fell. *Rubbi* is promising well, and *amun* rice has been improved. The harvest is beginning.
	Khoolna	„ 24, '88	Nil	Weather—seasonable. *Amun* rice has commenced to be reaped in places; an average outturn of eight annas is expected.
	Jessore	„ 24, '88	Nil	Weather—seasonable. *Amun* is being harvested in some places. Winter crops doing well. Prices stationary.
10	Moorshedabad	„ 24, '88	Nil	Weather—seasonable. Prospect of *haimanti* rice in the Jangipore sub-division reported to be unfavourable; elsewhere it is good. The crop is being harvested in some places. *Kalai* doing well, and prospects of *rubbi* crops good
11	Dinagepur	„ 24, '88	Nil	Weather—clear and becoming colder. Average outturn of winter rice for the whole district now estimated at 7 annas Sugarcane promises well. Prospects of *rubbi* as yet uncertain.
12	Rajshahye (RAJSHAHYE)	„ 24, '88	Nil	Weather—warmer. Crops have suffered much from drought. Recent rain has done some benefit to them. Price of rice stationary.
13	Rungpur (RAJSHAHYE)	„ 24, '88	Nil	*Amun* is being reaped. Mustard in flower. Tobacco is being transplanted. Cold-weather crops promising. Prices of rice rising at Sudder.
14	Bogra (RAJSHAHYE)	„ 24, '88	Nil	Weather—seasonable; pleasant in the morning. Harvesting of *amun* going on. Prospects of *rubbi* crops good.
15	Pubna (RAJSHAHYE)	„ 24, '88	Nil	Weather—seasonable. Rain is urgently needed. *Amun* and sugarcane seem fair. *Amun* being reaped in some places.
16	Darjeeling (RAJSHAHYE)	„ 24, '88	Nil	Weather—clear and cold. Hill crops doing well; winter rice in plains not promising.
17	Julpigoree (RAJSHAHYE)	„ 24, '88	Nil	Weather—seasonable. Sowing of mustard and transplanting of tobacco going on. Reaping of early *amun* has commenced in places. *Rubbi* crops doing well. No change in prices.
	Eastern Districts.			
18	Dacca	Nov. 24, '88	Nil	Weather—fine and seasonable. *Amun* paddy is being harvested. Winter crops are being sown. Mustard and pulses are thriving. Prospects good.
19	Furreedpur	„ 24, '88	Nil	Weather—seasonable. State of the crops fair. Rice harvest being got in, and winter crops being sown, or else progressing nicely. Rice selling at 13 to 15 seers per rupee.
20	Backergunge	24, '88	Nil	Weather—cool and fair. Prospects fair generally, but in the Bhola sub-division and other places the paddy has suffered from untimely cessation of rain and attacks of insects.
21	Mymensingh	„ 23, '88	Nil	Weather—cool and seasonable. Prospects of crops good. Ordinary old rice sells at 16 seers a rupee at Nasirabad.
	Jamalpur		1·42	
	Kishoregunge		0·45	

	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Eastern Districts—concld.			
	22	Chittagong	Nov. 27, '88	Nil	Weather—somewhat hot. Reaping of rice crops begun; produce is below average. Land is being prepared for *rubbi.* Prices high.
	23	Noakholly	,, 23, '88	Nil	Weather—seasonable. Reaping of *rajasail* paddy continues. A shower of rain would do good to both paddy and *rubbi* crops.
	24	Tipperah	,, 22, '88	Nil	Weather—seasonable. *Amun* is being reaped in places; prospects good everywhere except in high lands. Mustard and other winter crops are being sown.
	25	Chittagong Hill Tracts.	,, 20, '88	Nil	Weather—foggy and cold. Gathering of cotton still continues. Late plough-paddy forming seeds. Prospects not good.
		Hill Tipperah	,, 21, '88	0·45	Weather—unsettled; cloudy. Transplantation of tobacco and chillies continues. Gathering of cotton and *amun* paddy commenced.
BEHAR.					
	26	Patna	,, 24, '88	Nil	Weather—cool and bright. The cutting of the rice crop has begun, and the outturn is better in the Sudder and Dinapore sub-divisions than was expected. *Rubbi* already sown has germinated and generally promises well, but destruction of 15,000 bighas by caterpillars reported from Barh. Sowing of *rubbi* still in progress. Rain urgently needed. Prices stationary. Prospects of poppy favourable.
		Gya	,, 24, '88	Nil	Weather—cool. *Kartika* rice is being harvested. Sowing of *rubbi* and poppy going on. *Rubbi* crops that have germinated are doing well.
		Shahabad	,, 24, '88	Nil	Weather—fine and getting cool. Paddy is being harvested. *Rubbi* sowing in progress, but retarded for absence of rain, which is badly wanted in almost all parts of the district. Prospects have somewhat improved in the Sasseram sub-division on account of the rainfall of 12th and 13th instant. Poppy cultivation progressing favourably. A few young plants suffered from high temperature. Prices continue high except in the Buxar sub-division, where they have slightly fallen.
Divn.	29	Durbhanga	,, 24, '88	Nil	Weather—cool and bright. Harvesting of *aghani* rice has commenced in several places. *Rubbi* sowings stopped. Those sown early are germinating slowly for want of moisture. Rain is wanted for *rubbi.* The estimated yield of the *aghani* and *rubbi* crops is 7 annas. Labouring classes are at present finding labour in harvesting rice. Prices almost stationary.
	30	Mozufferpur	,, 24, '88	Nil	Weather—cool and bright. Harvesting of paddy has commenced. *Rubbi* sowings going on, but considerably retarded, especially in Sitamarhi, for want of sufficient moisture. Poppy sowings progressing favourably. In north of Sitamarhi high land paddy lost. In the low land in the north of that sub-division the yield will be fairly good. Prices of common rice falling slightly.
	31	Sarun	,, 24, '88	Nil	Weather—fair; getting cool, but still warm for the time of year; occasional clouds. Sowing of *rubbi* almost completed. Poppy sowing in full progress. Rain urgently wanted. Harvesting of paddy will shortly commence. Paddy being cut for fodder in some places. Common rice and wheat falling a little in price, Indian-corn rising.
	32	Chumparun	,, 24, '88	Nil	Weather—cold and foggy. Harvesting of paddy commenced. The crop will yield an outturn of 8 to 9 annas in the Bettiah sub-division. *Rubbi* and poppy germinating freely in that sub-division. Prospects remain unchanged in the Sudder sub-division. Prices stationary.
Bhag. Divn.	33	Monghyr	,, 24, '88	Nil	Weather—seasonable. Prospects of winter rice on low lands continue fair. *Rubbi* sowings are coming up fairly well. Prices of food-grains have a downward tendency.
	34	Bhagulpur	,, 24, '88	Nil	Weather—too hot for the season. Harvesting of late rice commenced. *Rubbi* sowings not yet complete, but there is yet time for wheat and barley. What has been sown is not doing well on high lands, except where irrigated.
		Purneah	,, 24, '88	Nil	Weather—bright and cool. No rain. *Aghani* crop half of average yearly outturn. Prospects of *rubbi* good.
		Maldah	,, 24, '88	Nil	Weather—fine, cool and dry. Some of the winter rice is ripe, and the harvest has begun. The yield is expected to be between 8 and 10 annas. *Kalai* is thriving very well; the prospects of mustard vary in different places from 8 to 14 annas, and the other *rubbi* crops (wheat, barley, &c.,) have been improved by the late rain, and mostly promise very well, but hail has done some harm in the north. Common rice selling at an average of 17½ seers a rupee.
		Chanchal	...	1·02	
	37	Sonthal Perghs.	,, 24, '88	Nil	Weather—bright and cool. Harvesting of winter rice has commenced. An outturn of from 10 to 12 annas anticipated except at Rajmehal, where it is only 8 annas. *Rubbi* prospects on the whole fair.
ORISSA.					
Orissa Divn.	38	Cuttack	,, 23, '88	Nil	Weather—cold and fair. *Laghu sarad* is ripening and is being cut. *Guru sarad* in ear. Prospect of the crop is improved. Common rice sells at 18 seers 6 chittacks per rupee in town.
	39	Pooree	,, 22, '88	Nil	Weather—seasonable. Late *sarad* is in ear. Early *sarad* is being harvested. Miscellaneous crops doing well. Common rice 17 seers 7 chittacks per rupee in the Sudder sub-division and 15 seers 9 chittacks in the Khoorda sub-division.
	40	Balasore	,, 23, '88	Nil	Cold weather seems to have fairly set in. Recent rain came too late for the rice on the highest lands, which had already withered, but where it extended (chiefly in south and centre of district) it materially benefited the plants in lower lands, and has enabled the ryots to sow their small patches of *rubbi.* Prices show a tendency to fall.

CHOTA NAGPORE.

South-West Frontier Agency.

Chota Nagpore Divn.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
41	Hazaribagh	Nov. 23, '88	Nil	Weather—seasonable. Prospect of *rubbi* crops hopeful, but rain is needed in some parts of the district. Rice is being harvested; 12 annas outturn expected. Poppy cultivation doing well.
42	Lohardugga	24, '88	Nil	Weather—clear and cold. Cold weather appears to have set in. Prospect of *rubbi* bad. Paddy being reaped. Prices of rice falling at head-quarters.
43	Singbhoom	„ 23, '88	Nil	Weather—seasonable. The yield of the rice crop is not less than 12 annas, and in some places 14 annas. *Rubbi* prospects not very good, and worse in Dhalbhum than elsewhere. There has been a slight rise in prices during the week.
44	Manbhoom	„ 24, '88	Nil	Sky clear; weather cool. Winter rice being reaped; outturn expected to be 10 annas all round. Prospect of *rubbi* not good; the rain of last week did not fall in all parts of the district. Coarse rice selling at Purulia at 20 seers per rupee.

Published for general information.

CALCUTTA, REVENUE DEPT.,
The 27th November 1888.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH NOVEMBER 1888.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN*

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare). Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	BENGAL.															
	Western Districts.															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan	11 8	11 8	16 0		No sale.		13 8	12 12	15 0	16 8	15 12	23 4	..	...	...
2	Bankoora	12 0	12 8	15 8	10 0	15 0	20 0	14 8	14 8	17 0	20 0	19 0	19 14			...
3	Beerbhoom	11 0	12 0	16 8	...	..	...	12 4	12 0	16 8	15 0	14 8	22 8	...	...	...
4	Midnapore	13 5	13 5	15 0	40 0	40 0	...	12 0	12 0	18 0	14 0	19 0	23 0	.		...
5	Hooghly	13 0	14 0	14 0	...	..	..	10 0	10 0	10 0	.	13 0	16 0		.	..
	Howrah	Not	available.		...	.	..	12 8	12 0	13 4	16 8	14 8	18 0	.	.	..
	Central Districts.															
	Calcutta	11 8	11 8	14 2	14 3	14 2	20 4	9 10	10 0	8 12	13 14	14 1	16 8	12 4	12 5	.
6	24-Pergunnahs	12 0	12 0	14 0	16 0	14 0	ɛ7 0	8 0	8 0	8 0	15	14 0	17 4	.	...	...
7	Nuddea	12 5	12 13	16 6	16 0	17 12	86 0	12 5	12 5	14 10	16 12	16 0	18 12	...	..	...
8	Khoolna	..		...		.		16 0	16 0	18 0	18 0	18 0	21 0	..	...	...
9	Jessore	10 0	12 0	11 7	.	..		12 0	14 0	16 0	18 0	21 0	24 0	...		..
10	Moorshedabad	12 12	12 12	16 12	..		...	14 0	12 0	13 4	16 0	14 8	22 0	..	..	..
11	Dinagepore	12 0	12 0	16 4	14 8	17 8	24 0	14 0	14 0	18 4	16 12	16 12	25 8	...	.	...
12	Rajshahye	15 12	15 0	18 0	24 0	32 0	45 0	12 0	12 0	16 14	15 15	15 14	24 0	..	..	...
13	Rungpore	15 0	15 3	17 12	.		...	13 0	13 0	14 4	17 12	17 4	20 0	...	.	...
14	Bogra	13 8	15 0	15 0	..	..	..	13 8	12 0	15 14	18 12	18 0	25 8	..	...	...
15	Pubna	16 0	16 8	17 8	.	.	.	7 8	7 12	8 0	18 0	16 8	21 0	.	.	...
16	Darjeeling	10 0	10 0	10 0	10 0	10 0	13 0	5 0	5 0	6 0	12 0	14 0	13 0	..	...	...
17	Julpigoree	10 0	10 0	12 0	16 0	16 0	16 0	11 0	11 0	13̶ 0	15 0	16 0	20 0	.	..	...
	Eastern Districts.															
18	Dacca	15 0	15 0	16 0	20 0	20 0	26 0	13 0	15 8	17 0	15 0	17 0	20 0	...	...	...
19	Furreedpore	20 0	2) 0	20 0	32	32 0	40 0	12 0	16 0	18 0	14 0	18 0	20 0	...	.	...
20	Backergunge	.	.	.	.	...	...	11 0	11 7	17 0	12 5	13 5	20 0	.	...	...
21	Mymensingh	10 0	10 0	12 0	..	...	...	12 0	13 0	12 0	16 0	17 0	18 8	...	...	...

* In the interior of the district 13½ to 16 seers per rupee.

† By mistake shewn as 9 seers 13 chittacks in the previous return.

A In sub-divisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 10 seers 6 chittacks, and Raneegunge 10 seers 9 chittacks.

B At Rampore Hât retail price of salt 10½ seers per rupee.

C In sub-divisions retail prices of salt per rupee are : - Ghatal 11¼ seers, Tamlook 8 seers, and Contai 10 seers.

D In sub-divisions retail prices of salt per rupee are :—Barasat, Bussirhat and Diamond Harbour (Kulpihat) 9 seers, Barrackpore [illegible] seers, and Dum-Dum 10 seers

E In sub-divisions retail prices of salt per rupee are :—Kooshtea and Chooadanga 10 seers, Meherpore 10½ seers.

F At Satkhira retail price of salt 9 seers 13 chittacks per rupee.

G In sub divisions retail prices of salt per rupee are : Jhenida 9 seers, Narail, 7½ seers, Bongong 10 seers.

H In sub-divisions retail prices of salt per rupee are :—Lalbagh 10 seers, Kandi 10 seers 5 chittacks.

Head-quarter Station Bazars of the Districts of Bengal on the 15th November 1888.

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	DISTRICTS.
															BENGAL.
															Western Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Ch. S.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	No sale		20 0	20 0	24 8	120 0	120 0	120 0	A 10 10⅔	10 10½	13 12	3 10 3	3 10 3	2 13 6	Burdwan.
24 0	24 0	36 0	19 0	19 0	20 0	320 0	320 0	320 0	10 0	10 0	12 0	3 14 0	3 14 0	3 2 6	Bankoora.
...	...	...	9 0	16 0	15 0	160 0	100 0	160 0	B 10 0	10 0	12 12	3 13 0	3 13 0	3 0 0	Beerbhoom.
...	...	...	14 0	14 0	13 0	120 0	120 0	120 0	C 10 8	10 8	13 0	3 12 0	3 12 0	3 0 0	Midnapore.
...	...	...	13 0	13 0	13 0	120 0	120 0	120 0	9 0	9 0	13 0	4 6 0	4 6 0	2 14 0	Hooghly.
...	...	...	12 8	12 8	13 4	100 0	100 0	100 0	10 1	10 10	12 13	3 9 6	3 9 0	2 14 0	Howrah.
															Central Districts.
14 2	15 2	23 0	15 14	15 12	17 2	92 4	95 0	80 0	10 10	10 15	13 4	3 8 2	3 6 3	2 12 0	Calcutta.
...	...	...	16 0	14 8	18 4	100 0	100 0	100 0	D 10 4	10 4	12 8	3 9 0	3 9 0	2 15 0	24-Pergunnahs.
...	...	...	17 12	17 12	17 12	...	...	...	E 9 2	9 2†	11 10½	3 14 0	4 4 0	3 0 0	Nuddea.
...	...	...	...	...	...	160 0	160 0	160 0	F 9 0	10 0	10 8	4 0 0	4 0 0	3 12 0	Khoolna.
...	...	...	20 0	20 0	20 0	100 0	100 0	100 0	G 9 2	9 2	10 12	4 0 0	4 0 0	3 2 0	Jessore.
...	...	...	19 0	19 0	12 0	200 0	200 0	190 0	H 10 10	10 10	12 0	3 11 0	3 11 0	3 5 5	Moorshedabad.
...	...	...	9 8	9 8	...	160 0	160 0	160 0	I 10 0	10 0	12 8	3 14 0	3 14 0	3 2 0	Dinagepore.
...	...	...	12 3	13 0	17 4	240 0	240 0	240 0	J 9 12	9 12	12 0	3 13 4	3 13 4	3 1 4	Rajshahye.
...	...	...	7 7	7 9	8 10	120 0	120 0	120 0	K 9 6	10 0	12 4	4 4 0	......	3 4 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	9 0	9 12	12 0	4 5 4	4 0 0	3 2 8	Bogra.
...	...	...	18 0	20 0	18 0	200 0	200 0	200 0	L 10 0	10 0	12 0	4 0 0	4 0 0	3 5 0	Pubna.
20 0	20 0	25 0	8 0	8 0	8 0	120 0	120 0	120 0	M ...	...	9 0	5 0 0	5 0 0	4 4 0	Darjeeling.
...	...	25 0	11 0	10 8	11 0	128 0	128 0	128 0	N 9 0	9 0	12 0	4 0 0	......	3 5 0	Julpigoree.
															Eastern Districts.
...	...	...	17 0	17 0	18 8	120 0	120 0	120 0	O 9 8	9 8	12 8	4 0 0	4 0 0	3 3 0	Dacca.
...	...	...	...	...	11 0	120 0	120 0	160 0	9 0	10 0	12 0	4 4 0	4 0 0	3 1 0	Furreedpore.
...	...	...	12 5	11 7	12 0	120 0	120 0	120 0	P 10 0	10 10	12 8	3 12 0	3 12 0	3 0 0	Backergunge.
...	...	...	13 0	13 4	18 0	...	...	...	Q 9 8	10 0	12 2	4 0 0	4 0 0	3 3 0	Mymonsingh.

I In Thakurgaon sub-division retail price of salt 8 seers per rupee.
J In Nowgong sub-division retail price of salt 9 seers 9 chittacks per rupee.
K In sub-divisions retail prices of salt per rupee are :—Kurigram 9 seers, Nilphamari 10 seers, and Gaibanda 7½ seers.
L At Serajgunge retail price of salt 10½ seers per rupee.
M At Silliguri retail price of salt 8 seers per rupee.
N At Fallacutta in Alipore sub-division retail price of salt 8 seers per rupee.
O In sub-divisions retail prices of salt per rupee are :—Manickgunge 9 seers, Moonshigunge 8 seers, 14 chittacks, and Naraingunge 10 seers.
P In sub-divisions retail prices of salt per rupee are :—Patuakhali and Bhola 8 seers and Perozepore 9 seers.
Q In sub-divisions retail prices of salt per rupee are :—Kishoregunge, Jamalpore, and Sherpore 8 seers, Attea 10 seers, and Netrokona 9 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded.**															
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	10 8	10 0	14 0	..	...	...	11 0	13 0	14 0	18 0	18 8	21 0	...	...	...
23	Noakholly ...	...	...	...	...	...	...	13 0	16 0	20 0	15 0	18 0	22 0	...	...	...
24	Tipperah ...	11 8	11 8	14 4	...	.	.	13 0	16 8	13 8½	16 0	20 0	23 10	..	...	...
25	Chittagong Hill Tracts.	...	..	...	...	...	...	13 0	13 5	14 0	16 0	16 0	15 0	...	...	...
	Hill Tipperah ..	8 0	8 0	12 0	...	...	..	10 0	10 0	12 0	18 0	20 0	20 0	...	...	...
	BEHAR.															
26	Patna ...	16 0	15 0	20 0	18 0	18 8	31 0	12 0	10 12	12 0	15 6	14 5	22 0	...	...	24 0
27	Gya ...	13 8	13 0	16 0	15 0	15 4	30 0	10 0	9 8	10 0	12 0	11 8	17 0	...	...	...
28	Shahabad ...	14 8	13 8	16 0	19 0	17 0	20 0	10 8	10 8	9 0	14 8	14 3	16 0	18 8	18 0	...
29	Durbhunga ...	12 8	12 0	18 0	18 4	16 0	35 0	11 0	10 8	14 0	14 8	12 0	16 0	17 8	...	...
30	Mozufferpore ...	12 0	12 0	22 0	16 8	20 0	30 0	10 0	10 0	12 0	12 0	12 0	22 0	...	...	...
31	Sarun ...	14 0	13 4	15 8	16 8	16 8	29 0	8 8	8 8	9 0	12 0	12 0	21 0	...	...	...
32	Chumparun ...	13 0	13 0	19 0	20 0	19 0	34 0	9 0	8 0	8 0	16 0	13 0	18 0	..	...	...
33	Monghyr ...	13 10	13 10	21 0	16 12	16 12	33 9	11 9	10 8	13 14	14 11	12 1	16 12	...	...	...
34	Bhagulpore ...	15 12	13 14	16 6	16 6	16 6	30 5	11 6	10 11	15 2	13 14	12 10	17 10	..	...	...
35	Purneah ...	13 0	13 0	20 0	...	10 0	28 0	13 0	13 0	13 0	15 0	16 0	18 0	...	...	...
36	Maldah ...	14 0	14 0	20 0	...	...	...	12 0	11 8	14 0	16 8	14 0	24 0	...	...	...
37	Sonthal Perghs.	11 0	11 8	16 0	...	...	.	13 0	12 8	16 0	16 0	14 0	22 0	..	...	...
	ORISSA															
38	Cuttack ...	11 13	11 13	15 12	...	...	...	10 8	10 8	10 8	18 6*	15 12	18 6	..	...	...
39	Pooree ...	10 8	11 13	11 13	...	...	...	10 8	11 13	11 13	15 12	15 12	18 6	...	...	...
40	Balasore ...	12 0	12 0	13 0	18 0	18 0	18 0	12 0	12 0	14 0	18 0	18 0	27 0	..	...	...
	CHOTA NAGPORE. *South-West Frontier Agency.*															
41	Hasaribagh ...	12 0	11 8	19 0	12 0	13 0	21 0	7 0	7 0	9 0	14 0 16 0 (new)	12 0	19 0	Not procurable.		
42	Lohardugga ...	11 8	10 8	20 0	Not available.	16 0	21 0	Old rice not available. 14 0 (new)	10 8 (old)	16 0	17 8	17 0 (new)	22 0	...	...	...
43	Singbhoom ...	11 0	11 0	20 0	20 0	20 0	32 0	16 0	16 0	20 0	20 0	20 0	24 0	...		...
44	Manbhoom ...	10 0	10 0	16 0	...	...	...	13 0	13	16 0	20 0	18 0	25 0	...	...	...

* Common rice at Jajpore 17 seers 1 chittack and Kendrapara 26¼ seers per rupee.

R At Cox's Bazar retail price of salt 8 seers per rupee.
R1 At Panchgachia in Fenny sub-division retail price of salt 8 seers per rupee.
S In sub-divisions retail prices of salt per rupee are :— Sasseram 10 seers, Bhabooah 9½ seers, and Buxar 10½ seers.
T In sub-divisions retail prices of salt per rupee are :—Madhubani 9 seers and Tajpore 10½ seers.
U At Hajipore and Sitamarhi retail price of salt 10 seers per rupee.

CALCUTTA,
The 27th November 1888.

[illegible] (concluded).

[illegible] or Maize (Zea Mays.)			Arhar or Thur. Cadjan Pea. (Cytisus indicus.)			Firewood.			Salt.			[illegible] Salt.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Eastern Districts—concluded.*
...	...	...	10 0	10 0	8 0	110 0	110 0	80 0	[R] 9 0	9 0	11 0	3 14 0	3 14 0	3 4 0	Chittagong.
...	...	...	...			...	...	...	[R1] 8 0	8 0	10 0	4 8 0	4 8 0	3 8 0	Noakholly.
...	...	...	8 0	8 0	10 1	...	.	...	8 0	8 0	12 0	4 6 0	4 6 0	3 3 0	Tipperah
...	...	...	...	...	..	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts
...	...	...	12 0	12 0	16 0	...	...	...	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
															BEHAR.
20 8	18 0	32 0	22 0	20 0	24 0	170 0	180 0	120 0	10 0	10 0	13 0	3 12 0	3 11 0	3 0 0	Patna
...	...	...	17 0	18 0	20 0	200 [illegible]	200 0	150 0	9 0	9 0	11 0	4 0 0	4 0 0	3 5 0	Gya.
...	...	...	13 0	13 8	16 0	160 0	160 0	120 0	[S] 10 0	10 0	12 8	4 0 0	4 0 0	3 3 0	Shahabad
16 12	16 0	32 0	17 8	17 0	17 0	160 0	160 0	160 0	[T] 10 0	10 0	13 8	3 13 0	3 13 0	2 15 0	Durbhunga.
19 0	18 0	35 0	20 0	19 0	20 0	160 0	160 0	1.0 0	[U] 10 0	10 0	12 0	3 12 0	3 12 0	3 4 0	Mozufferpore.
19 4	17 12	29 0	19 8	19 2	22 0	160 0	16) 0	160 0	10 4	10 0	12 0	3 14 0	3 15 0	3 2 0	Sarun
21 0	19 0		22 0	21 0	20 0	160 0	160 0	...	[V] 10 0	9 0	12 0	4 0 0	4 0 0	3 4 0	Chumparun.
16 4	16 4	31 8	18 1	17 13	21 0	157 0	126 0	126 0	[W] 9 15	9 15	12 9	3 10 9	3 14 0	2 14 6	Monghyr.
16 6	15 2	30 5	17 0	19 10	21 7	151 8	151 8	164 0	10 0	10 0	12 10	4 0 0	3 12 0	2 15 6	Bhagulpore.
..		...	16 0	16 0	16 0	120 0	120 0	160 0	[X] 8 0	8 0	11 0	4 6 0	4 6 0	3 7 6	Purneah.
...	...	...	..	...	...	160 0	12) 0	120 0	9 8	9 8	12 0	4 0 0	4 0 0	3 4 0	Maldah
19 0	18 0	40 0	17 0	18 0	24 0	200 0	200 0	200 0	8 8	9 0	11 8	4 6 0	4 2 0	3 4 6	Sonthal Pergbs.
															ORISSA.
...	...	...	17 1	17 1	17 1	80 0	80 0	80 0	11 0	11 0	14 0	3 12 0	3 12 0	2 12 0	Cuttack
...	...	...	13 2	11 13	13 2	80 0	80 0	70 0	11 13	10 8	13 2	3 6 0	3 8 0	2 12 0	Pooree.
...	...	...	12 0	12 0	13 0	140 0	140 0	160 0	[Y] 9 8	9 8	10 8	3 15 0	3 15 0	3 4 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
18 0	16 0	28 0	16 0	16 0	22 0	320 0	320 0	320 0	8 0	8 0	10 0	4 4 0	4 4 0	3 9 0	Hazaribagh
19 8	21 0	35 0	Not available	18 0	22 0	140 0	140 0	120 0	8 8	9 0	10 8	4 8 0	4 6 0	3 8 0	Lohardugga.
...	...	...	15 0	18 0	20 0	260 0	260 0	320 0	7 0	7 0	9 0	5 8 0	5 8 0	4 0 0	Singbhoom.
24 0	24 0	...	18 0	18 0	22 0	280 0	280 0	280 0	[Z] 9 2	9 2	10 10	4 8 0	4 1 0	3 6 0	Manbhoom.

V At Bettiah retail price of salt 9 seers per rupee.
W In sub-divisions retail prices of salt per rupee are :—Begusarai 9½ seers and Jamui 9 seers.
X At Kishengunge retail price of salt 8 seers per rupee.
Y At Bhudrack retail price of salt 9 seers per rupee.
Z At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, [illegible]

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta .	3 3 10	3 3 8	2 11 8	2 8 11	2 8 9	1 11 0	3 15 2	3 11 11	3 12 6	2 11 7	2 9 8	1 15 9
2	Serajgunge ...	2 12 0	2 6 0	1 10 0	..	..	...	3 15 0	3 12 0	3 0 0	2 5 0	2 2 0	1 10 0
3	Dacca .	2 10 0	2 10 0	2 6 0	1 15 0	1 15 0	1 8 0	3 0 0	2 8 0	2 6 0	2 9 0	2 4 0	1 15 0
4	Naraingunge	.	...	..	...		..	2 12 0	2 6 0	2 4 0	3 4 0	2 0 0	2 0 0
5	Chittagong ..	3 8 0	3 8 0	2 12 0	...	...	...	3 6 0	2 14 0	2 12 0	2 2 0	2 2 0	1 14 0
6	Patna ...	2 7 0	2 9 0	1 15 0	2 1 6	3 0	1 4 0	3 4 0	3 9 0	2 14 6	2 8 0	2 11 0	1 12 0
7	Balasore ...	3 10 0	3 10 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	3 4 0	2 12 0	1 15 6	1 15 6	1 6 6
8	Pooree ...	...	...	...	...	...	...	...	...	...	2 7 6	2 7 6	2 0 6
9	Cuttack ...	3 4 0	3 4 0	2 5 0	...	..	...	3 10 0	3 10 0	3 10 0	2 2 0	2 5 0	2 2 0

CALCUTTA,
The 27th November 1888.

[illegible] Marts of Bengal on the 15th November 1888.

Gram, Chana, Chola, Kheshari or Bunaga. (Cicer Arietinum.)			Indian-corn or Maize. (Zea Mays.)			Arhar or thur. Cadjan Pea. (Cajanus indicus.)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 10 2	2 11 6	1 12 6	2 10 4	2 6 4	1 7 6	2 4 5	2 3 5	2 3 0	0 6 4	0 6 3	0 6 9	3 8 2	3 6 3	2 12 0	Calcutta.
3 10 0	2 12 0	2 2 0	...	...	...	...	...	...	...	...	...	3 6 0	3 13 0	3 0 0	Serajgunge.
2 8 0	2 10 0	2 0 0	...	...	...	2 4 0	2 4 0	2 0 0	0 5 0	0 5 0	0 5 0	4 0 0	4 0 0	3 3 0	Dacca.
2 12 0	2 8 0	2 0 0	...	...	...	3 0 0	2 8 0	2 4 0	0 10 0	0 10 0	0 8 0	3 12 0	3 12 0	2 14 0	Naraingunge.
3 4 0	3 4 0	2 6 0	...	...	...	3 12 0	3 12 0	4 8 0	0 5 0	0 5 0	0 8 0	3 14 0	3 14 0	3 4 0	Chittagong.
2 3 6	2 6 6	1 3 6	1 14 6	2 2 6	1 3 0	1 12 6	1 14 6	1 9 6	0 3 9	0 3 9	0 5 0	3 12 0	3 11 0	3 0 0	Patna.
3 8 0	3 6 0	2 6 0	...	...	...	3 8 0	3 6 0	3 0 0	0 5 0	0 5 0	0 4 6	3 15 0	3 15 0	3 4 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 8 0	2 12 0	Pooree.
2 2 0	(Kalai). 2 2 0	2 2 0	...	...	...	2 2 0	2 2 0	2 2 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	2 12 0	Cuttack.

Published for general information.

P. Nolan,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Air pressure. Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
Orissa	Pooree	Pooree	29·985	29 998	—	NNW	137	84·2	17th & 23rd Nov	62·3	10th & 21st Nov.	83·4	63·0	73 2	—	67·8
		Gopalpore	29·984	30 084	+·006	NNW	216	83·2	17th & 22nd Nov.	64·0	19, 20, 21 & 22nd Nov.	82·4	65·3	73·9	—0·4	78·4
		False Point	29·994	30 016	—·012	N	171	82·4	21st & 23rd Nov.	59·5	22nd "	81·8	61·6	71·7	—1·2	76·7
	Cuttack	Cuttack	29 950	30 033	—·024	Calm	22	86·5	22nd "	59·8	19th "	84·2	60 8	72·5	—1·9	78·9
	Balasore	Balasore	29 961	30 021	·042	NNW	51·2	83·4	22nd & 23rd Nov.	56·0	19th "	82·5	57 4	70 0	—0·6	77·1
South-West Bengal	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29 989	30·016	—·047	NNW	216	80·2	18th "	60·4	20th & 21st Nov.	79·6	62·8	71·2	—2·0	75·2
	Midnapore	Midnapore	29·876	30·030	—·045	N	79·2	84·3	21st & 22nd Nov.	56·2	19th "	83 3	57·8	70·6	0	77·5
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29 995	30 017	—·033	N	51	79·5	18th, 21st & 22nd Nov.	58·3	19th "	78·9	60·4	60·7	—1·9	73·6
	Burdwan	Burdwan	29 921	30 025	—·046	NNW	35 0	82 5	22nd "	58·7	19th "	80·6	60·4	70 5	—1·1	73·5
	Bankoora	Bankoora	29 717	—	—·024	N	61	83·1	22nd "	57 3	20th "	81 7	58 2	70·0	—3 3	75·3
	Beerbhoom, West Burdwan	Raneegunge	29 691	30·008	—·030	NW	67·1	83 3	21st & 22nd Nov.	56·6	18th "	82 3	58 0	70 1	—0·4	74·9
	Moorshedabad	Berhampore	29·952	30 021	—·044	N & NW	49 7	80 6	18th & 19th Nov.	59·2	20th "	79·7	61·1	70·4	—1·5	72·9
	Nuddea	Krishnaghur	29 975	30 042	— 018	WNW	78·4	81·2	18th "	56 2	20th "	80·1	58·8	69·5	—3·4	74·3
	Jessore, Khoolna	Jessore †	29·947	29 981	—·067	NW	57·6	81·9	18th & 19th Nov.	58 3	19th "	80·6	59 8	70·2	—1·6	75·1
East Bengal	Chittagong	Chittagong	29 888	29 980	—·052	Calm & NE.	29 0	84·3	18th "	60 1	21st "	81 9	61 5	71·7	—1·3	76·0
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29·970	29 98[illegible]	-- 020	Northerly	33 6	82 3	18th Nov.	59·1	20th & 21st Nov.	80 2	60 4	70·3	—1·7	76·4
	Noakholly	Noakholly	29 960*	30 010*	+ 005	Calm	13 2†	85·0	23rd "	56·0	20th "	81·5	57 9	69 7	—2·3	75·3
	Furreedpore	Furreedpore	29 975	30 016	— 019	N	49 3	82·3	18th "	58·0	19th & 21st Nov.	76 5	59 8	68·3	—3·7	73·5
	Dacca	Dacca†	29·930	29·962	—·070	Calm	31·7	84·1	18th "	59 1	19th "	82·8	60·0	71·4	—1·4	76·3
	Tipperah	Commillah	29 945	29 982	—·041	N	18 8	86·4	19th "	60 0	20th "	83 1	58 4	70 8	—1·3	75·6
	Mymensingh	Mymensingh	29 946	30 006	— 031	NE	40·4	82 5	18th "	55 1	18th "	80 6	58·2	69·4	—3·5	74·3
North Bengal	Bogra	Bogra	29 924	29 987	—	Calm	20·5	82 7	18th "	54 7	21st "	80 6	57·4	69 0	—	75 0
	Pubna	Serajgunge	29 953	30 001	—·049	NE	27 2	89 3?	20th "	54 5	21st "	81 5?	57 2	69 4?	—1·3	73·5
	Rajshahye	Rampore Beauleah.	29 947	30 019	—·031	N	45 1	82 0	18th "	56 2	19th "	80 0	58 4	69·2	+1 3	75·5
	Maldah	Maldah	29 949	—	—	NW	77 5	82·0	17th "	53·9	19th "	80·8	56 7	68·7	—	74 8
	Dinagepore	Dinagepore	29 881	30 004	— 019	N	22·4	81 6	18th "	54·2	21st "	80·4	55·8	68·1	—1 6	76 3
	Rungpore	Rungpore	29 897	30 026	—·031	NE	47	80 8	17th "	54 3	20th & 21st Nov.	79 7	56 0	67 9	—1 3	73·2
	Julpigoree, Cooch Behar	Julpigoree	29 734	30 030	— 026	SE	31 6	81 9	17th "	55 9	18th "	79 8	57·0	68·4	—0·5	74·4
	Darjeeling Hill Tracts	Darjeeling	23 047	—	—·019	Variable	71·3	56·3	18th "	39 8	23rd "	54·9	41·8	48·1	+2 2	53 5
North Bihar	Purneah, North Bhagulpore	Purneah	29·904	30·034	— ·030	Northerly	?	82·2	18th "	49 8	18th "	80 3	51 2	65 8	—3·5	72·7
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga	29 875	30 049	—·009	Westerly	34·0	77·2	17th Nov.	58 1	18th "	76·4	59·9	68 2	—1·6	70·3
	Chumparun	Motihari	29·797	30 031	— 009	Calm	?	82 7	23rd "	50 2	17th "	81 4	51 8	66·6	—0·4	75·7
	Sarun	Chapra	29 844	30 04[illegible]	— 020	W	39·1	79·5	17th "	55 5	20th "	77 3	56 8	67·1	—1·7	76·9
South Bihar	Shahabad	Dehree	29 666	30 033	— 048	SSW	156 0	84·5	22nd "	57·0	22nd "	83 0	58 1	70 6	+3·3	73·4
		Buxar	29 796	30 045	— 032	W	77·7	82·9	17th & 21st Nov.	54·9	17th "	82·0	56 0	69 0	+0 6	75·9
		Arrah	29·836	30 039	—·019	WSW	19·3	82 3	17th, 21st, 23rd Nov.	52·9	17th "	81·7	54·6	68 2	+0·3	73·3
	Gya	Gya	29 625	30 016	— 072	Calm	47·6	83·7	22nd "	54 8	17th & 18th Nov.	82 0	56·8	69 4	—0·1	72·6
	Patna	Bankipore	29·857	30·047	—·044	Calm	27 3	82·1	17th "	55·4	20th "	81·2	57 0	69·1	+0·5	73·2
	South Bhagulpore, Monghyr	Bhagulpore	29·873	30·040	—·034	NW	27·9	79 8	17th "	54·0	18th & 19th Nov.	78·9	55·6	67 3	—0·9	73·4
	Sonthal Pergunnahs	Doomka	29·512	—	—·032	NNW	29·2	80·1	22nd "	55·4	19th "	79·0	56·6	67·8	—0·2	74·3
Chota Nagpore	Hazaribagh	Hazaribagh	27 967	30 036	—·037	NNW	156·5	78 2	22nd "	54 6	19th "	76·2	55 4	65 8	—0 2	71·4
	Lohardugga, Manbhoom	Ranchee	27·856	30·020	—·031	N & NW	105·5	78·4	22nd "	50·9	18th "	76 5	53·7	65·1	+0·8	71·2
	Singbhoom	Chyebassa	29·230	—	—·032	Calm	15·6	84·5	22nd "	54·7	18th & 20th Nov.	83·6	55·5	69·2	+0·2	77·2

* Mean of 6 days.
† Mean of 5 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period of the last ten years. The humidity of the atmosphere is expressed in percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The [illegible] [illegible] the [illegible] means or average of the rainfall in [illegible] determined from the returns sent in by the sub-divisional stations for the period in question during the [illegible] [illegible] in the district [illegible] in inches [illegible] by the number of stations. A rainy day is one on which at least [illegible] [illegible].

for the week ending Friday, the 23rd of November 1888.

Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	District observations. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
74	0	—	Nil	0·18	5·02	1·69	+3·33	44·90	54·25	—9·35	0·0	0·3	Pooree ...	Pooree	Orissa.
53	0·3	—											Gopalpore ...		
66	2·6	—											False Point ...		
54	1·3	—	Nil	0·10	2·35	0·75	+1·60	52·15	50·87	+1·28	0·0	0·2	Cuttack ...	Cuttack	
60	0	—	Nil	0·08	1·69	0·71	+0·98	53·86	52 25	+1·61	0·0	0·2	Balasore ...	Balasore	
71	1·9	—	Nil	0·03	1·67	0·59	+1·08	56·56	61·50	—4·94	0·0	0·1	Saugor Island ...	South-West Midnapore, South 24-Pergunnahs	South-West Bengal.
47	0·3	—	Nil	0·03	0·28	0·20	+0·08	62·58	50·76	+11·82	0·0	0·1	Midnapore ...	Midnapore	
65	0	—	Nil	0·02	1·85	0·28	+1·57	63·66	50·73	+12·93	0·0	0·1	Calcutta ...	24-Pergunnahs ... ..., Howrah ... ..., Hooghly	
59	0	—	Nil	Nil	2·60	0·30	+2·30	55·86	46·11	+9·75	0·0	0·0	Burdwan ...	Burdwan	
49	0·3	—	Nil	Nil	0·68	0·28	+0·40	52·10	51·53	+0·57	0·0	0·0	Bankoora ...	Bankoora	
51	0·4	—	Nil	Nil	1·27	0·13	+1·14	56·71	51·01	+5·70	0·0	0·0	Raneegunge ...	Beerbhoom ... ..., West Burdwan ...	
70	0·3	—	Nil	Nil	1·47	0·22	+1·25	47·61	49·91	—2·30	0 0	0·0	Berhampore ...	Moorshedabad	
61	0·6	—	Nil	0 01	1·63	0·30	+1·33	54·82	48·63	+6·19	0·0	0·1	Krishnaghur ...	Nuddea	
66	0	—		0·04	1·14	0·34	+0·80	44·65	52·46	—7·81	0·0	0·1	Jessore ...	Jessore ... ..., Khoolna	
72	1·1	—	Nil	0·48	Nil	1 98	—1·98	123·77	112·42	+13·35	0·0	0·3	Chittagong ...	Chittagong	East Bengal.
			Nil	0·44	0·20	1·97	—1·77	72·26	79·98	—7·72	0·0	0·3	Demagiri ...	Chittagong Hill Tracts	
67	0·4	—		0·14	0·20	1·27	—1·07	72·35	75·82	—3·47	0·0	0 2	Barrisal ...	Backergunge	
64	0	—	Nil	0·33	0·10	2·28	—2·18	107·60	105·44	+2·16	0·0	0·3	Noakholly ...	Noakholly	
70	0	—	Nil	0·04	0·82	0·33	+0·49	47·73	55·39	—7·66	0·0	0·1	Furreedpore ...	Furreedpore	
62	0·4	—	Nil	0·04	0·66	0·51	+0·15	56·32	58·87	—2·55	0·0	0·1	Dacca ...	Dacca	
73	0	—	Nil	0·08	0·28	0·67	—0·39	61·71	68·26	—6·55	0·0	0·1	Commillah ...	Tipperah	
70	1·0	—	Nil	0·01	0·43	0·23	+0 20	66·82	66·65	+0·17	0·0	0·1	Mymensingh ...	Mymensingh	
63	0	—	Nil	Nil	0·72	0·32	+0·40	43·52	56·67	—13·15	0·0	0·0	Bogra ...	Bogra	North Bengal.
72	0·4	—	Nil	0·01	0·36	0·26	+0·09	41 30	52·80	—11·50	0·0	0·1	Serajgunge ...	Pubna	
63	0·3	—	Nil	Nil	0·24	0·20	+0·04	44·36	53·33	—8·97	0·0	0·0	Rampore Beauleah	Rajshahye	
60	0	—	Nil	Nil	0·62	0·16	+0·46	40·26	53·61	—13·35	0·0	0·0	Maldah ...	Maldah	
61	0·6	—	Nil	Nil	0·49	0 05	+0·44	45·70	56·83	—11·13	0·0	0·0	Dinagepore ...	Dinagepore	
67	0	—	Nil	Nil	0·73	0·09	+0·64	55·78	73·52	—17·74	0·0	0 0	Rungpore ...	Rungpore	
67	0	—	Nil	Nil	0·19	0·04	+0·15	85·96	111·00	—25·04	0·0	0·0	Julpigoree ...	Julpigoree ... ..., Cooch Behar	
67	1·4	—	Nil	0·03	0·46	0·20	+0·26	98·10	120·15	—22·05	0·0	0·1	Darjeeling ...	Darjeeling Hill Tracts	
64	0·4	—	Nil	0·01	0 05	0·04	+0·01	47·51	58·03	—10·52	0·0	0·1	Purneah ...	Purneah ... ..., North Bhagulpore ...	North Behar.
			Nil	0·01	Nil	0·05	—0 05	39·10	42·75	—3·65	0·0	0·1	Mozufferpore ...	Mozufferpore	
66	0·3	—	Nil	0·01	Nil	0·03	—0·03	38·48	44 37	—5·89	0·0	0·1	Durbhunga ...	Durbhunga	
52	0·9	—	Nil	0·01	Nil	0·01	—0·01	40·77	45·92	—5·15	0·0	0·1	Motihari ...	Chumparun	
48	0·1	—	Nil	0·04	Nil	0 07	—0·07	37·20	42·04	—4·84	0·0	0·1	Chupra ...	Sarun	
52	0·6	—											Dehree ...		South Behar.
48	0·7	—	Nil	0·04	0·17	0·13	+0·04	42·07	38·93	+3·14	0·0	0·1	Buxar ...	Shahabad	
53	0·1	—											Arrah ...		
43	0·6	—	Nil	Nil	0·06	0·12	—0·06	48·86	40·57	+8·29	0·0	0·0	Gya ...	Gya	
54	0·4	—	Nil	0·01	0·12	0·11	+0·01	46·22	40 51	+5·71	0·0	0·1	Bankipore ...	Patna	
55	0·1	—	Nil	Nil	0·10	0·11	—0·01	48·25	42·82	+5·43	0·0	0·0	Bhagulpore ...	South Bhagulpore ..., Monghyr	
54	0	—	Nil	Nil	0·52	0·11	+0 41	52·42	50·23	+2·19	0·0	0·0	Doomka ...	Sonthal Pergunnahs...	
38	1·0	—	Nil	Nil	0·28	0·18	+0·10	56·26	49·58	+6·68	0·1	0·0	Hazaribagh ...	Hazaribagh	Chota Nagpore.
46	1·3	—	Nil	0·02	0·14	0·21	—0·07	50·08	47·83	+2·25	0·0	0·1	Ranchi ...	Lohardugga	
			Nil	0·01	0·57	0·15	+0·42	46·68	46·19	+0·49	0·0	0·1		Manbhoom	
40	0	—	Nil	Nil	0·65	0·19	+0·46	40·49	50·54	—10·05	0·0	0·0	Chyebassa ...	Singbhoom	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 23rd of November 1888.

Meteorological division.	District.	Station.	RAINFALL. Saturday, 17th November.	Sunday, 18th November.	Monday, 19th November.	Tuesday, 20th November.	Wednesday, 21st November.	Thursday, 22nd November.	Friday, 23rd November.	TOTAL. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	......	......	......	Nil	Nil	7·68	1·79	41·07	49·81
		Khurdah ...	......	......	......	......	......	......	......	Nil	Nil	5·71	1·28	44·38	53·38
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	3 49	1·57	36·78	48·55
		False Point ...	......	......	......	......	......	......	......	Nil	Nil	8·21	2·08	54·24	63·07
		Gop ...	......	......	......	......	......	......	......	Nil	Nil	5·70	?		?
		Pipli ...	......	......	......	......	......	......	......	Nil	Nil		?		?
	Cuttack ...	Jagatsingpore	......	......	......	......	......	......	......	Nil	Nil		0·96		46·09
		Banki ...	......	......	......	......	......	......	......	Nil	Nil	1·77	0·52	43·73	48·86
		Cuttack ...	......	......	......	......	......	......	......	Nil	Nil	2·82	0·88	52·68	55·45
		Kendrapara ...	......	......	......	......	......	......	......	Nil	Nil	2·13	0·82	45·21	52·30
		Jajpore ...	......	......	......	......	......	......	......	Nil	Nil	2·49	0·59	61·15	52 82
		Dharmsala ...	......	......	......	......	......	......	......	Nil	Nil	1·37	?	56·98	[illegible]
		Salipore ...	......	......	......	......	......	......	......	Nil	Nil	[illegible]	?		?
	Balasore ...	Chandbali ...	......	......	......	......	......	......	......	Nil	Nil	2·08	1·29	51·05	50·98
		Bhuddruck ...	......	......	......	......	......	......	......	Nil	Nil	2·07	0·83	48·51	50·77
		Sorah ...	......	......	......	......	......	......	......	Nil	Nil	3·11	0·63	49·62	50·57
		Balasore ...	......	......	......	......	......	......	......	Nil	Nil	0·43	0·75	56·98	56·77
		Jellasore ...	......	......	......	......	......	......	......	Nil	Nil	0·78	0·34	55·85	52·01
		Baripodah ...	......	......	......	......	......	......	......	Nil	Nil	1·51	0·38	54·16	53·05
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	......	......	......	......	......	......	......	Nil	Nil	3·43	0·62	55·70	60·53
		Saugor Island	......	......	......	......	......	......	......	Nil	Nil	0·90	0·82	52 09	60·40
		Tumlook ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·34	64·80	50·54
		Midnapore ...	......	......	......	......	......	......	......	Nil	Nil	0 19	0 22	63·04	47 94
		Ghattal ...	......	......	......	......	......	......	......	Nil	Nil	0·06	0 06	56·63	53 70
		Kukrahaty ...	......	......	......	......	......	......	......	Nil	Nil	0·39	?	65·28	?
		Hersa ...	......	......	......	......	......	......	......	Nil	Nil	0 19	?	52·11	?
		Bhagwanpore	......	......	......	......	......	......	......	Nil	Nil	1·22	?	49·91	?
		Garbeta ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	64·16	?
	24-Pergunnahs	Diamond Harbour ...	......	......	......	......	......	......	......	Nil	Nil	0·69	0·33	57·18	57·58
		Canning Town	......	......	......	......	......	......	......	Nil	Nil	0·[illegible]	?	55 55	?
		Alipore Jail .	......	......	......	......	......	......	......	Nil	Nil	2 30	0 28	61·95	54·46
		Barrackpore...	......	......	......	......	......	......	......	Nil	Nil	2·88	0·15	61·56	47·45
		Dum-Dum ...	......	......	......	......	......	......	......	Nil	Nil	1·11	0·21	63·74	50·78
		Barasat ..	......	......	......	......	......	......	......	Nil	Nil	1·61	0·28	64·53	48·34
		Buseerhat ...	......	......	......	......	......	......	......	Nil	Nil	0 61	0·54	51·31	53·75
	Howrah ...	Howrah ...	......	......	......	......	......	......	......	Nil	Nil	3·05	0·29	65·57	51·19
		Moheshreka (*Ooloberiah.*) ...	......	......	......	......	......	......	......	Nil	Nil	0·55	0 34	58·78	51·04
	Hooghly ..	Serampore ...	......	......	......	......	......	......	......	Nil	Nil	3·04	0·18	66·68	49·37
		Hooghly ...	......	......	......	......	......	......	......	Nil	Nil	1·92	0·21	66 73	47·28
		Jehanabad ..	......	......	......	......	......	......	......	Nil	Nil	0·50	0·21	61·02	54·42
	Burdwan ...	Culna ...	......	......	......	......	......	......	......	Nil	Nil	3 79	0·34	60·27	48·50
		Burdwan ...	......	......	......	......	......	......	......	Nil	Nil	2 68	0 29	46 49	47·30
		Cutwa ...	......	......	......	......	......	......	......	Nil	Nil	1·[illegible]	0·28	60·08	47·19
		Raneegunge ..	......	......	......	......	......	......	......	Nil	Nil	0·60	0·13	57·00	48 00
		Mankur ...	......	......	......	......	......	......	......	Nil	Nil	0·11	?	42·19	?
	Bankoora ...	Bankoora ...	......	......	......	......	......	......	......	Nil	Nil	1·40	0 17	48·55	50·66
		Bishenpore ...	......	......	......	......	......	......	......	Nil	Nil	0 05	0·03	53 33	50 85
		Maliara ...	......	......	......	......	......	......	......	Nil	Nil	0 60	0 34	49 98	51 27
		Khatra ...	......	......	......	......	......	......	......	Nil	Nil	0·67	0 60	54·37	53 16
		Indas ...	......	......	......	......	......	......	......	Nil	Nil	0 46	?	41 26	?
		Kotalpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	46·84	?
		Anda ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37 81	?
		Gangajalghati	......	......	......	......	......	......	......	Nil	Nil	0 96	?	56 17	?
		Raipore ...	......	......	......	......	......	......	......	Nil	Nil	0·60	?	55·17	?
		Sonamukhi ..	......	......	......	......	......	......	......	Nil	Nil	1·41	?	45·76	?
	Beerbhoom .	Bh. Soory ...	......	......	......	......	......	......	......	Nil	Nil	1·35	0·11	53·31	53·12
		Hetampore ...	......	......	......	......	......	......	......	Nil	Nil	1·[illegible]0	0·13	47·18	53·05
		Rampore Haut	......	......	......	......	......	......	......	Nil	Nil	1·74	0 16	68·44	50·72
		Bolpore ...	......	......	......	......	......	......	......	Nil	Nil	1·27	?	61·55	?
		Mararai .	......	......	......	......	......	......	......	Nil	Nil		?	?	?
	Nuddea ...	Ranaghat ..	......	......	......	......	......	......	......	Nil	Nil	4·45	0·36	62·51	46·29
		Kishnaghur ...	......	......	......	......	......	......	......	Nil	Nil	1 11	0·33	68·35	45 34
		Chooadanga ...	......	......	......	......	......	......	......	Nil	Nil	1·15	0·13	52·23	50·52
		Meherpore ...	......	......	......	......	......	......	......	Nil	Nil	1·19	0 14	47 90	47·00
		Kooshtea .	......	......	......	......	......	......	......	Nil	Nil	0·23	0·25	36·23	53·83
	Khoolna ..	Satkhira .	......	......	......	......	......	......	......	Nil	Nil	0·72	0·34	38·24	51·24
		Bagirhat ...	......	......	......	......	......	......	......	Nil	Nil	0·10	0·53	50·37	60·43
		Khoolna ...	......	......	......	......	......	......	......	Nil	Nil	0·15	0·41	48·19	53·88
	Jessore ...	Narail ...	......	......	......	......	......	......	......	Nil	Nil	2·14	0·30	29·99	45·19
		Jessore ...	......	......	......	......	......	......	......	Nil	Nil	2·37	0 28	56·51	53·44
		Jhenidah ...	......	......	......	......	......	......	......	Nil	Nil	0·72	0 24	35·64	52 76
		Magoorah ..	......	......	......	......	......	......	......	Nil	Nil	1·53	0 19	42·90	47·84
		Bongong ...	......	......	......	......	......	......	......	Nil	Nil	1·20	0 29	49·00	51·05
	Moorshedabad	Kandi ...	......	......	......	......	......	......	......	Nil	Nil	1·77	0·32	50 91	49·42
		Berhampore ...	......	......	......	......	......	......	......	Nil	Nil	2·03	0·24	41·05	50·58
		Lalbagh ...	......	......	......	......	......	......	......	Nil	Nil	3·04	0·31	46 23	50·43
		Azimgunge ...	......	......	......	......	......	......	......	Nil	Nil	1·28	0·19	?	50·48
		Jungipore ...	......	......	......	......	......	......	......	Nil	Nil	0·34	0·08	45·18	48·49
		Lalgola ...	......	......	......	......	......	......	......	Nil	Nil	0·35	0·20	50·55	50·50
		Jiagunge ...	......	......	......	......	......	......	......	Nil	Nil	0·85	?	46·45	?
		Akhriganj ...	......	......	......	......	......	......	......	Nil	Nil	0·53	?	46 31	?
		Palkabari ...	......	......	......	......	......	......	......	Nil	Nil	1·55	?	43·79	?
EAST BENGAL	Chittagong ...	Cox's Bazar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·51	140·44	132 44
		Chittagong ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·42	105·08	92·45
		Kutubdia ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	116 99	?
		Satkanya ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	91·41	?
	Chittagong Hill Tracts.	Rangamati ...	......	......	......	......	......	......	......	Nil	Nil	0·09	1·85	74·85	82·49
		Ruma ...	......	......	......	......	......	......	......	Nil	Nil	0 30	2·08	69·95	76·56
	Backergunge	Patuakhally ..	......	......	......	......	......	......	......	Nil	Nil	Nil	1·42	85·60	86·11
		Perozepore ...	......	......	......	......	......	......	......	Nil	Nil	0·09	1·15	61·30	69·01
		Burrisal ...	......	......	......	......	......	......	......	Nil	Nil	0 24	1·21	65·49	66·60
		Bhola ...	......	......	......	......	......	......	......	Nil	Nil	0·48	1·32	74·97	80·38

Statement of Rainfall in Bengal for the week ending Friday (6 p m.), the 23rd of November 1888 —contd.

Meteorological Division.	District.	Station.	Rainfall: Saturday, 17th November	Sunday, 18th November	Monday, 19th November	Tuesday, 20th November	Wednesday, 21st November	Thursday, 22nd November	Friday, 23rd November	Total: Number of rainy days.	Total: Rainfall of week.	Total rainfall since 1st of month	Average total rainfall from 1st of month	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL —concld.		*Gournaddi*								Nil	Nil	Nil	?	48 28	?
		Bauphal								Nil	Nil	Nil	?	98 35	?
	Noakholly	Noakholly								Nil	Nil	0 09	1 08	106 99	106 40
		Fenny								Nil	Nil	0 10	2 89	104 58	104 40
		Harishpore								Nil	Nil	0 2[illegible]	?	123 82	?
		Ramganj								Nil	Nil	0 57	?	84 28	?
	Furreedpore	Madaripore								Nil	Nil	1 05	0 36	45 71	54 99
		Furreedpore								Nil	Nil	0 60	0 40	53 01	55 67
		Goalundo								Nil	Nil	0 30	0 31	43 08	52 35
	Dacca	Munshigunge								Nil	Nil	1 07	0 08	61 04	69 12
		Dacca								Nil	Nil	0 48	0 48	52 36	57 83
		Narainganj								Nil	Nil	0 71	0 4[illegible]	63 0[illegible]	58 78
		Manickgunge								Nil	Nil	0 33	0 36	45 7[illegible]	43 93
		Joydebpore								Nil	Nil	0 13	?	58 85	?
	Hill Tipperah	Agartola								Nil	Nil	0 4[illegible]	0 75	53 18	60 54
	Tipperah	Comilla								Nil	Nil	0 35	0 84	68 91	74 78
		Chandpore								Nil	Nil	Nil	0 [illegible]	58 55	70 98
		Brahmunbaria								Nil	Nil	0 31	0 30	68 [illegible]7	60 11
		Ramchandrapore								Nil	Nil	0 71	?	60 10	?
		Nasirnagar								Nil	Nil	0 20	?	58 34	?
		Dandkandi								Nil	Nil	0 08	?	61 19	?
		Kasba								Nil	Nil	0 40	?	78 28	?
		Laksham								Nil	Nil	0 [illegible]	?	79 02	?
	Mymensingh	Kishoregunge								Nil	Nil	0 15	0 38	8[illegible] 63	69 14
		Atia (*Tangail*)								Nil	Nil	Nil	0 22	57 81	54 94
		Mymensingh								Nil	Nil	0 1[illegible]	0 [illegible]8	6[illegible]	73 44
		Jamalpore								Nil	Nil	1 42	0	64 05	64 48
		Netrokona								Nil	Nil	0 [illegible]	0 02	77 [illegible]9	71 35
		Subhunakhali								Nil	Nil	1 34	?	[illegible]	?
		Durgapur								Nil	Nil	0 3[illegible]	?	107 [illegible]	?
		Dewanganj								Nil	Nil	1 07	?	54 72	?
NORTH BENGAL	Pubna	Pubna								Nil	Nil	0 78	0 15	3[illegible] 08	53 35
		Serajgunge								Nil	Nil	0 1[illegible]	0 30	41 67	52 17
	Bogra	Sherpore								Nil	Nil	1 1	0 5[illegible]	41 0[illegible]	57 [illegible]0
		Nowkhilla								Nil	Nil	0 [illegible]8	0 18	4[illegible] 03	54 17
		Bogra								Nil	Nil	0 18	0 [illegible]	40 [illegible]	[illegible]
		[illegible]								Nil	Nil	0 [illegible]0	0 01	43 21	50 27
	Rajshahye	Beauleah								Nil	Nil	0 [illegible]	0 1[illegible]	31 07	52 4[illegible]
		[illegible]								Nil	Nil	0	0 [illegible]	58 [illegible]	54 19
		[illegible]								Nil	Nil	0 [illegible]	[illegible]	[illegible]7	?
		[illegible]								Nil	Nil	Nil	?	[illegible]	?
		[illegible]								Nil	Nil	0 0[illegible]	?	2[illegible]	?
	Maldah	[illegible]								Nil	Nil	0 [illegible]	0 1[illegible]	47 [illegible]	1 11
		[illegible]								Nil	Nil	1 0	0 17	[illegible]	[illegible] 08
		[illegible]								Nil	Nil	[illegible]	?	[illegible]	?
		[illegible]								Nil	Nil	0 34	?	[illegible]	?
	Dinagepore	[illegible]								Nil	Nil	0 10	0 10	37 [illegible]	[illegible]
		[illegible]								Nil	Nil	1 [illegible]	Nil	[illegible]	[illegible] 60
		[illegible]								Nil	Nil	0 1	0 0	[illegible]	[illegible]
		[illegible]								Nil	Nil	0 [illegible]	0 0	[illegible]	[illegible]
		[illegible]								Nil	Nil	0	Nil	[illegible] 67	[illegible] 67
		Thakurgaon								Nil	Nil	0 [illegible]	?	?	?
	Rungpore	Bhowanigunge (*[illegible]*)								Nil	Nil	0 35	0 06	45 [illegible]	61 04
		Rungpore								Nil	Nil	0 [illegible]	0 0[illegible]	51 [illegible]	73 [illegible]
		[illegible]								Nil	Nil	1 11	0 16	73 [illegible]	7[illegible]
		Bagd[illegible]								Nil	Nil	0 [illegible]	0 0[illegible]	5[illegible] 71	[illegible]
		(*[illegible]*)													
		Ulipur								Nil	Nil	0 68	?	54 40	?
	Julpigoree	Julpigoree								Nil	Nil	Nil	0 08	103 [illegible]0	117 01
		Alipore [illegible]								Nil	Nil	Nil	?	7[illegible]	?
		[illegible]								Nil	Nil	Nil	?	[illegible] 72	
		Debiganj								Nil	Nil	0 1[illegible]	?	60 08	
	Cooch Behar	Dinhatta								Nil	Nil	0 3	Nil	89 [illegible]8	[illegible]
		Cooch Behar								Nil	Nil	0 [illegible]	0 [illegible]	[illegible]	117 [illegible]
		[illegible]								Nil	Nil	Nil	Nil	71 [illegible]	107 [illegible]
		[illegible]								Nil	Nil	Nil	0 01	7[illegible]	110 [illegible]
	Darjeeling Hill	Buxa								Nil	Nil	0 7	0 39	1[illegible] 17	1[illegible] 10
		Siliguri								Nil	Nil	0 [illegible]	0 1[illegible]	[illegible] 7	[illegible]
		Darjeeling								Nil	Nil	0 [illegible]	0 10	8[illegible] 17	1[illegible]7 [illegible]
		Kalimpong								Nil	Nil	0 3[illegible]	0 [illegible]1	68 [illegible]	[illegible]
NORTH BEHAR	Purneah	Kissengunge								Nil	Nil	0 1[illegible]	0 03	47 03	6[illegible] 70
		Arrareah								Nil	Nil	0 08	0 03	50 5[illegible]	[illegible]
		Purneah								Nil	Nil	Nil	0 06	4[illegible]	60 [illegible]7
		Gondwara								Nil	Nil	Nil	?		
		Balarampore								Nil	Nil	0 [illegible]	?		
		Haveli								Nil	Nil	Nil	?		
		Kathagola								Nil	Nil	Nil	?		
	North Bhagulpore	Madhipura								Nil	Nil	Nil	0 04	5[illegible]	49 12
		[illegible]								Nil	Nil	Nil	0 01	4[illegible]	47 72
		Pratabganj								Nil	Nil	Nil	?	47 7[illegible]	
	Durbhunga	Tajpore								Nil	Nil	Nil	0 04	3[illegible] 80	42 44
		Durbhunga								Nil	Nil	Nil	0 03	[illegible] 21	43 [illegible]
		Madhubani								Nil	Nil	Nil	0 01	4[illegible]	44 [illegible]
		Bahera								Nil	Nil	Nil	?	5[illegible]	
		Rosera								Nil	Nil	Nil	?	4[illegible]	
	Mozufferpore	Sitamarhi								Nil	Nil	Nil	0 01	31 [illegible]	43 49
		Mozufferpore								Nil	Nil	Nil	0 0[illegible]	[illegible] 7	41 77
		Hajipore								Nil	Nil	Nil	0 03	4[illegible] 18	41 [illegible]
		Paru								Nil	Nil	Nil	?	30 07	
		Hanua								Nil	Nil	Nil	?	3[illegible] 41	
		[illegible]								Nil	Nil	Nil	?	[illegible] 27	
		Pupri								Nil	Nil	Nil	?	23 10	
	Chumparun	Motihari								Nil	Nil	Nil	0 01	35 91	43 91
		Bettiah								Nil	Nil	Nil	0 01	43 58	4[illegible]
		Bagaha								Nil	Nil	Nil	?	5[illegible] 00	
		Bulhurwa								Nil	Nil	Nil	?	38 66	?

Statement of Rainfall in Bengal for the week ending Friday (6 p m.), the 23rd of November 1888—*concld.*

Meteorological Division.	District.	Station.	Rainfall. Saturday, 17th November.	Sunday, 18th November.	Monday, 19th November.	Tuesday, 20th November.	Wednesday, 21st November.	Thursday, 22nd November.	Friday, 23rd November.	Total. Number of rainy days.	Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
NORTH BEHAR—*concluded.*	Sarun	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·10	36·00	43·25
		Sewan ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	40·33	43·05
		Chuprah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	35·24	39·75
SOUTH BEHAR	Shahabad	Buxar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·10	40·74	37·50
		Dehree ...	......	......	......	......	......	......	......	Nil	Nil	0·26	Nil	43·18	37·43
		Bhuboosh ...	......	......	......	......	......	......	......	Nil	Nil	0·30	0·37	39·87	39·38
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	0·29	0·10	41·36	40·23
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·07	42·97	39·78
		Mohania ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	33·98	?
	Gya ..	Aurungabad...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·08	52·06	41·77
		Gya ...	......	......	......	......	......	......	......	Nil	Nil	0·13	0·20	50·85	41·76
		Nowadah ...	......	......	......	......	......	......	......	Nil	Nil	0·08	0·07	47·75	39·04
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	0·03	0·18	44·73	39·65
		Arwal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·22	?
		Daudnagar ...	......	......	......	......	......	......	......	Nil	Nil	0·00	?	41·80	?
		Sherrghati ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	32·64	?
		Rajauli ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	27·98	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·06	?
	Patna ...	Patna .	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	39·04	41·14
		Dinapore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·05	41·39	40·72
		Behar ...	......	......	......	......	......	......	......	Nil	Nil	0·47	0·12	51·56	41·06
		Barrh ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·15	52·57	39·14
		Bickram ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	37·00	?
		Hilsa ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	45·44	?
	Monghyr	Begooserai ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·19	45·49	39·42
		Monghyr ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	53·25	45·85
		Jamui ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·03	48·52	42·27
		Gogri ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·40	?
		Sheikpura ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·18	?
	South Bhagulpore	Bhagulpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·19	52·88	41·54
		Banka ...	......	......	......	......	......	......	......	Nil	Nil	0·52	0·06	39·68	44·00
		Kulgong ..	......	......	......	......	......	......	......	Nil	Nil	Nil	?	50·26	?
	Sonthal Pergunnahs	Rajmehal ...	......	......	......	......	......	......	......	Nil	Nil	0·25	0·09	45·56	51·75
		Godda ...	......	......	......	......	......	......	......	Nil	Nil	0·30	0·01	47·59	44·62
		Pakour .	......	......	......	......	......	......	......	Nil	Nil	0·26	0·04	61·97	54·91
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	1·36	0·16	50·09	52·43
		Deoghur .	......	......	......	......	......	......	......	Nil	Nil	0·37	0·07	51·89	49·43
		Jamtara ...	......	......	......	......	......	......	......	Nil	Nil	0·53	0·24	55·51	47·61
		Mohagama ...	......	......	......	......	......	......	......	Nil	Nil	0·35	?	?	?
		Nanhnai ...	......	......	......	......	......	......	......	Nil	Nil	0·36	?	28·13	?
CHUTIA NAGPUR.	Hazaribagh ...	Paonamma (*Giridi*).	......	......	......	......	......	......	......	Nil	Nil	0·11	0·12	55·40	46·79
		Hazaribagh ..	......	......	......	......	......	......	......	Nil	Nil	0·08	0·16	54·46	47·07
		Semiagurah .	......	......	......	......	......	......	......	Nil	Nil	0·84	0·17	54·83	44·85
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil		0·35		47·11
		Jhoomrah Hills	......	......	......	......	......	......	......	Nil	Nil	Nil	0·12	62·15	61·19
		Barai ...	......	......	......	......	......	......	......	Nil	Nil	0·10	?	49·65	?
		Chatra ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	53·85	?
		Karagdeha ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	51·83	?
		Ramghar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	46·33	?
	Lohardugga ...	Lohardugga ...	......	......	......	......	......	......	......	Nil	Nil	0·30	0·03	46·12	50·30
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	0·02	0·31	52·70	51·09
		Palamow ...	......	......	......	......	......	......	......	Nil	Nil	0·10	0·20	51·45	42·13
		Silli ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	?	?
		Balumat ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	42·42	?
		Hossainabad...	......	......	......	......	......	......	......	Nil	Nil	0·41	?	?	?
		Garwah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	45·68	?
	Singbhoom ...	Chyebassa .	......	......	......	......	......	......	......	Nil	Nil	0·65	0·19	40·44	50·58
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	0·80	?	54·95	?
		Ghatsilla ...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	54·11	?
		Baharagura...	......	......	......	......	......	......	......	Nil	Nil	Nil	?	58·55	?
	Mánbhoom ...	Purulia ...	......	......	......	......	......	......	......	Nil	Nil	0·66	0·15	56·43	48·24
		Gobindpore ...	......	......	......	......	......	......	......	Nil	Nil	0·47	0·14	36·11	44·32
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	0·05	?	52·80	?
		Barrabhoom...	......	......	......	......	......	......	......	Nil	Nil	0·13	?	50·64	?
		Jhalda ...													
		Chas ...													

Explanation.—...... Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 27th November* 1888.

SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 23RD OF NOVEMBER 1888.

THE conditions which prevailed in Bengal at the close of the previous week were those of ordinary north-east monsoon or cold weather character. These conditions have continued almost unaltered in Bengal throughout the week, and beyond the usual slight variations and oscillations of pressure, temperature and humidity, there have been no changes to comment upon. Almost cloudless skies have prevailed nearly throughout the week, and the whole province has been absolutely rainless for the period. In the Bay conditions became slightly disturbed from the 17th in the Andaman Sea, and the disturbance appeared likely at one time to give rise to an influential storm. So far as the land observations show, the squally, or more probably stormy, weather which set in near the Andaman Islands on this date did not concentrate to a definite cyclonic storm as is usually the case, but the weather, after remaining in a very disturbed state for several days, gradually improved; the slight barometric depression which had at first formed also steadily filled up, and the cyclonic circulation of winds which had commenced at the coast stations disappeared; while wind velocities, which on the 17th and 18th were very high on the Pegu coast, became normal, and on the 22nd weather again was of ordinary character in the Bay.

Pressure.—The variations of pressure during the week have been of the ordinary oscillatory character noticeable during fine settled weather. On the 17th there was a slight general rise, usually not exceeding one or two hundredths of an inch. For the following three days pressure fell steadily, the fall equalling in this period about a tenth of an inch. A more rapid rise then set in for the last three days of the week, which equalled nearly a sixth of an inch, and thus neutralized the previous fall. For the whole week the pressure of the entire province has been below the normal, the defect usually equalling about 0·03 inch or 0·04 inch.

Temperature.—The variations of temperature during the week have not been large, and the general mean temperature has been distinctly below the normal. The defect in the mean temperature in East Bengal has equalled no less than 2·3°, while in South-West Bengal and North Behar it has been nearly two degrees. In Orissa and in North Bengal the defect has been about one degree. In South Behar and Chutia Nagpur, on the other hand temperature has been slightly in excess of the normal. Some fairly low minimum or night temperatures have been registered during the week, the lowest recorded being 49·8° at Purneah and 50·2° at Motihari; the lowest registered at Calcutta was 53·3°.

The variations of the average temperature of the week from the normal can be seen from the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts of the province are given, compared with the normal means for the same period. Temperature has been below the normal both during the day and during the night in almost all cases except Darjeeling:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 23rd of November 1888.

	Normal mean maximum temperature for the week ending 23rd November.	Actual mean maximum temperature for the week ending 23rd November 1888.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 23rd November.	Actual mean minimum temperature for the week ending 23rd November 1888.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 23rd November.	Actual mean daily temperature for the week ending 23rd November 1888.	Variation of actual mean from the normal.
Cuttack	85·0	84·2	—0·8	63·7	60·8	—2·9	74·4	72·5	—1·9
Calcutta	80 8	78·9	—1·9	62·4	60·4	—2·0	71·6	69·7	—1·9
Dacca	82·6	82·8	+0·2	62·9	60·0	—2·9	72·8	71·4	—1·4
Burdwan	81·7	80·6	—1·1	61·5	60·4	—1·1	71·6	70·5	—1·1
Patna	80·7	81·2	+0·5	56·4	57·0	+0·6	68·6	69·1	+0 5
Gya	82·1	82·0*	—0·1	56·8	56·8	0	69·5	69·4	—0·1
Purneah	81·8	80·3	—1·5	56·7	51·2	—5·5	69·3	65·8	—3·5
Hazaribagh	76·4	76·2	—0·2	55·6	55·4	—0·2	66·0	65·8	—0·2
*Darjeeling	52·6	54·9	+2·3	39·1	41·3	+2·2	45·9	48·1	+2·2

Rainfall—Has been entirely absent from the province throughout the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 23rd of November 1888 :—

Meteorological Divisions.	Temperature.						Rainfall.										
	Averages for week.						Of week.			Rainy days.			Since 1st of month.		Since 15th May.		
Orissa	86·5	56·0	82·9	61·6	72·3	—1·0	Nil	0·14	—0·14	0·0	0·2	—0·2	2·67	0·98	49·93	52·62
South-West Bengal ...	84·3	56·2	80·8	59·7	70·2	—1·7	Nil	0·02	—0·02	0·0	0·1	—0·1	1·47	0·30	54·56	51·25
East Bengal	86·4	55·1	80·9	59·5	70·2	—2·2	Nil	0·14	—0·14	0·0	0·2	—0·2	0·37	0·93	70·56	73·22
North Bengal	89·3	53·9	80·4	56·9	68·7	—0·7	Nil	Nil	Nil	0·0	0·0	0	0·44	0·13	53·08	69·79
North Behar	82·7		78·9	54·9	66·9	—1·8	Nil	0·02	—0·02	0·0	0·1	—0·1	0·01	0·05	41·46	48·02
South Behar *	84·5	52·9	81·1	56·4	68·8	+0·4	Nil	0·01	—0·01	0·0	0·1	—0·1	0·22	0·11	47·83	43·07
Chutia Nagpur	78·4*	50·9*	76·4*	54·6*	65·5*	+0·3*	Nil	0·01	—0·01	0·0	0·1	—0·1	0·33	0·19	50·13	48·58

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL ;
The 27th November 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 18th to 24th November 1888.

Month.	Date.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Rain.
1888.		°	°	°	°	°	Inches.	°	%	Inches.
November	18th ...	70·8	80·4	19·0	61·4	64·7	·531	60·6	71	Nil
"	19th ...	69·5	78·9	19·5	59·4	63·6	·510	59·5	70	"
"	20th ...	69·2	80·4	21·0	59·4	64·0	·528	60·5	74	"
"	21st ...	70·6	81·3	20·6	60·7	65·1	·547	61·5	73	"
"	22nd ...	70·5	80·9	20·2	60·7	65·4	·560	62·1	75	"
"	23rd ...	70·5	80·4	19·1	61·3	66·0	·580	63·1	78	"
"	24th ...	71·6	81·0	18·9	62·1	66·7	·590	63·6	76	"

The mean temperature of the seven days ...	70·4
The extreme variation of temperature ...	21·9
The maximum temperature	81·3
The mean relative humidity	% 74
The total fall of rain from 18th to 24th November 1888	Inches. Nil

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA ;
The 26th November 1888.

JOHN ELIOT,
Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 18th to 24th November 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
1888.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Nov.	18th	135·0	10·1	29·930	70·5	78·8	16·5	62·3	65·1	0·550	61·6	75	NNE, N and N by E	78	Nil	Clear, ⌓.
,,	19th	132·8	9·9	·871	68·3	77·4	19·1	58·3	63·2	·514	59·8	76	N by E and calm ...	33	,,	Clear, ⌓.
,,	20th	133·0	9·9	·863	68·4	79·4	20·7	58·7	63·9	·540	61·1	79	NNW and calm ...	42	,,	Chiefly clear, ≡, ⌓.
,,	21st	133·4	9·8	·913	68·8	79·4	20·1	59·3	64·6	·556	62·0	80	WNW and calm ...	23	,,	Chiefly clear, ≡, ⌓.
,,	22nd	134·5	9·8	·979	69·3	79·2	19·6	59·6	64·5	·545	61·4	78	NNW and calm ...	15	,,	Chiefly clear, ⌓.
,,	23rd	134·8	9·5	30·002	69·5	78·5	17·7	60·8	64·8	·553	61·8	78	N by W and calm...	33	,,	Chiefly clear, ≡, ⌓.
,,	24th	131·0	9·7	·029	70·1	79·4	18·0	61·4	65·6	·573	62·8	79	NNE and calm ...	28	,,	Chiefly clear, ⌓.

	Inches.
The mean pressure of the seven days	29·941
The average pressure of the corresponding period for 24 years, S. G.'s Office ...	29·993
	Hours.
The total number of hours of bright sunshine	68·7
The maximum possible number of hours of sunshine	76·6
	°
The mean temperature of the seven days	69·3
The average temperature of the corresponding period for 24 years, S. G.'s Office	72·9
The extreme variation of temperature	21·1
The maximum temperature	79·4
	Miles.
The highest velocity of the wind in one hour	10
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	78
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	70
	Inches.
The total fall of rain from 18th to 24th November 1888	Nil
The average fall of the corresponding period for 24 years, S. G.'s Office ...	0·01
The total fall from 1st January to 24th November 1888	69·71
The average fall of the corresponding period for 24 years, S. G.'s Office ...	65·15

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

≡ fog, ⌓ dew.

JOHN ELIOT,
Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 26th November 1888.

MEMORANDUM.

THE returns of the principal municipalities in Bengal for the week ending 10th November 1888 yielded the birth and death rates of 26·9 and 34· per 1,000 of population, respectively, against 22·7 and 31·6 per 1,000, respectively, during the preceding week ending 3rd November, showing an advance in the registration of both events.

2. The municipalities which returned the highest proportions of births and deaths are—

Births.	Ratio per *mille.*	*Deaths.*	Ratio per *mille.*
Narainganj	66·2	Gya	56·7
Beauleah	57·8	Suburbs of Calcutta	53·4
Comillah	46·2	Serampore	53·0
Bhagulpore	44·3	Bhagulpore	48·0
Monghyr	39·8	Beaulah	44·7
Hughli	38·9	Puri	42·0
Durbhanga	38·5	Hughli	37·6
Puri	37·8	Howrah	36·6
Serampore	37·3	Monghyr	35·3
Purneah	31·2	Arrah	34·7
Gya	30·7	Midnapore	32·5
Arrah	29·9	Bali	31·6
Howrah	29·2	Comillah	30·8

3. In comparison with the results of the preceding week, fever alone exhibited a noticeable increase of mortality: the fatal results from the other diseases show only fractional differences, *vide* figures given below—

	Ratio per *mille* during the weeks ending— 10th Nov. 1888.	3rd Nov. 1888.
Cholera	7·4	7·1
Small-pox	·1	...
Fever	14·4	12·3
Bowel-complaints	3·6	4·2
Injury	·3	·4
Other causes	8·2	7·5

4. Of the diseases mentioned above, small-pox proved notably fatal only in the town of Serampore, where the rate was 5·9 per 1,000 of population. Bowel-complaints proved notably fatal in the Comillah Municipality, where the rate of death was 15·4 per 1,000. Injury did not exhibit any local severity. Cholera, fever, and the maladies returned under the head of "Other causes" show exceptional mortality in the following municipalities:—

Cholera.	Ratio per *mille.*	*Fever.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Serampore	17·7	Gya ...	36·2	Gya ...	15·0
Hughli	17·4	Arrah ...	28·7	Puri ...	14·7
Howrah	16·0	Beauleah ...	26·3	Midnapore ...	13·9
Bhagulpore	15·4	Bhagulpore	24·4	Serampore ...	13·7
Patna	12·3	Purneah ...	24·2	Suburbs of Calcutta	13·2
Suburbs of Calcutta	10·6	Suburbs of Calcutta	20·3	Monghyr ...	11·8
Beauleah	10·5				
Durbhanga	4·7				
Monghyr	3·6				
Gya	3·4				

5. In relation to *Sex, Class* and *Age*, the mortality of the week was distributed as follows:—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males ...	35·7	Christians ..	34·8	Under 1 year ...	202·4
Females ...	32·1	Hindus ..	35·7	1 and under 5 years ...	56·9
Ratio of male deaths to every 100 female deaths	126	Mahomedans	30·1	5 " 10 " ...	17·1
				10 " 15 " ...	15·4
				15 " 20 " ...	17·2
				20 " 30 " ...	22·1
				30 " 40 " ...	22·5
				40 " 50 " ...	26·6
				50 " 60 " ...	42·1
				60 years and upwards ...	92·4

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

The 26th November 1888.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending 10th November 1888

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of Population per Annum.				Deaths from—							Ratio per 1,000 of Population per Annum.								Deaths.		Ratio per 1,000 of Population per Annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan	18,063	16 017	34,080	8	5	13	12·2	7·6	19·8	100	...	...	12	...	1	3	16	...	...	18·3	...	1·5	4·6	24·4	35·1	8	8	23·0	26·0	100
Midnapore ...	Midnapore	16,927	16,633	33,560	10	8	18	15·5	12·4	27·9	125	3	...	7	2	...	9	21	4·6	...	10·8	3·1	...	13·9	32·5	10·8	12	9	36·9	28·1	133
Hughli ...	Hughli and Chinsurah ...	19,179	19,539	38,718	15	14	29	20·1	18·8	38 9	107	13	...	11	...	...	4	28	17·4	...	14·8	...	...	5·4	37·6	29·5	17	11	46·1	29·3	154
Serampore ...	Serampore	13,559	12,937	26,496	8	11	19	15·7	21·6	37·3	72	9	3	5	3	...	7	27	17·7	5·9	9·8	5·9	...	13·7	53·0	35·3	19	8	73 9	32·2	237
	Utterpara	3,046	2,464	5,510	...	..	...	...	...	. .	....	2	...	...	...	1	...	3	18 9	...	..	...	9 4	...	28·3	47·2	2	1	34·1	21·1	200
Howrah ...	Howrah	53,153	37,660	90,813	28	20	51	12·6	16·6	29·2	75	28	...	18	8	...	10	64	16·0	...	10·3	4·6	...	5·7	36·6	33·3	47	17	46·0	23·5	276
	Bali	7,836	6,979	14,815	3	1	4	10·5	3·5	14·0	300	3	...	3	...	...	3	9	10·5	...	10·5	..	—	10·5	31·6	17·5	7	2	46·5	14·9	350
24-Pergunnahs ...	Suburbs of Calcutta ...	147,205	104,234	251,439	50	69	119	10·3	14·3	24 6	72	51	...	98	42	3	64	258	10·5	...	20·3	8·7	·6	13 2	53 4	47·4	154	104	54·4	51·9	148
Nuddea ...	Kishnaghur	13,263	14,214	27,477	4	2	6	7·6	3·8	11·4	200	...	...	6	1	...	5	12	...	...	11·3	1·9	...	9·5	22·7	5 6	6	6	21·5	32·0	100
	Ranaghat	4,028	4,655	8,683	1	1	2	6·0	6·0	12·0	100	...	...	1	...	...	...	1	...	...	6·0	...	...	...	6·0	....	1	...	12·9	...	No female death.
	Santipore	13,708	15,979	29,687	4	3	7	7·0	5·3	12·3	133	...	...	1	1	...	...	2	...	...	1·7	1·7	...	...	3 5	3·5	...	2	...	6·5	No male death.
Jessore ...	Jessore	4,830	3,665	8,495	2	...	2	12·2	...	12·2	No female birth.	...	...	...	...	...	1	1	...	...	...	...	...	6·1	6·1	6·1	1	...	10·8	...	No female death.
Rajshahye ...	Rampore Beauleah ...	10,766	9,025	19,791	11	11	22	28·9	28·9	57·8	100	4	...	10	...	...	3	17	10·5	...	26·3	...	...	7·9	44·7	70·9	11	6	53·1	34·6	183
Darjiling ...	Darjiling*	5,029	2,947	7,976	1	2	3	6·5	13·0	19·6	50	...	...	1	...	...	...	1	...	...	6 5	...	...	...	6·5	13·0	...	1	...	17·6	No male death.
Dacca ...	Dacca	42,782	37,379	80,161	14	17	31	9·1	11·0	20·1	82	...	..	10	3	...	11	24	...	...	6·5	1·9	...	7·1	15·6	16·2	12	12	14·6	16·7	100
	Narainganj	7,605	4,956	12,561	11	5	16	45·5	20·7	66·2	220	1	...	2	2	...	2	7	4·1	...	8·3	8·3	...	8·3	29·0	45·5	4	3	27·4	31·5	133
Chittagong ...	Chittagong	13,340	8,790	22,130	6	6	12	14·1	14·1	28 2	100	...	...	5	1	...	1	7	...	...	11·7	2·3	...	2·3	16·4	25·8	4	3	15·6	17·7	133
Tipperah ...	Comillah	8,153	5,353	13,506	7	5	12	26·9	19·3	46 2	140	...	...	3	4	...	1	8	...	...	11·6	15·4	...	3·8	30·8	7·7	6	2	38·3	19·4	300
Patna ...	Patna City	78,762	81,475	160,237	30	29	59	9·7	9·4	19·1	103	38	...	19	9	1	15	82	12·3	...	6·3	2·9	·3	4·9	26·6	32·1	39	43	25·7	27·4	90
Gya ...	Gya	38,290	37,831	76,121	23	22	45	15·7	15·0	30·7	104	5	...	53	2	1	22	83	3·4	...	36·2	1·4	·7	15·0	56·7	56·9	40	43	54·3	59·1	93
Shahabad ...	Arrah	20,960	22,505	43,465	14	11	25	16·7	13 2	29·9	127	...	...	24	...	...	5	29	...	...	28·7	...	...	6 0	34·7	22·7	12	17	29·8	39·3	70
Mozufferpore ...	Mozufferpore	23,084	19,658	42,742	4	2	6	4·8	2·4	7·3	200	1	...	4	...	...	4	9	1·2	...	4·8	...	...	4·8	10·9	17·0	5	4	11·3	10·6	125
Durbhanga ...	Durbhanga	33,774	32,322	66,096	26	23	49	20·4	18·1	38·5	113	6	...	15	4	...	3	28	4·7	...	11·8	3·1	...	2·4	22·0	18·9	10	18	15·4	29·0	55
Sarun ...	Chupra	26,044	27,205	53,249	7	8	15	6·8	7 8	*14 7	87	1	...	1	...	...	6	8	1·0	...	1·0	...	...	5·8	7·8	8·8	5	3	10·0	5·7	166
Bhagulpore ...	Bhagulpore	29,640	27,813	57,453	28	21	49	25·3	19·0	44·3	133	17	...	27	...	...	9	53	15·4	...	24·4	...	...	8·1	48·0	38·9	23	30	40·4	56·1	76
Monghyr ...	Monghyr	28,154	29,366	57,520	23	21	44	20·8	19·0	39·8	109	4	...	16	5	1	13	39	3·6	...	14·5	4·5	·9	11·8	35·3	40·7	19	20	36·1	35·4	95
Purneah ...	Purneah	8,463	6,553	15,016	4	5	9	13·9	17·3	31·2	80	...	...	7	...	...	...	7	...	...	24·2	...	...	...	24·2	20·8	4	3	24·6	23·8	133
Puri ...	Puri	13,247	11,537	24,784	11	7	18	23·1	14·7	37 8	157	1	...	8	4	...	7	20	2·1	...	16·8	8·4	...	14·7	42 0	23·1	14	6	55·0	27·0	233
	Total ...	702,890	619,691	1,322,581	347	338	685	13·6	13·3	26·9	102	187	3	367	91	8	298	564	7·4	·1	14·4	3·6	·3	8·2	34·0	31·6	482	382	35·7	32·1	126

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "... &c.," the ratios under which have been [illegible]

MORTALITY ACCORDING TO—

Class.

DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Ratio per 1,000 of Population per Annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan	Burdwan	1	9	6	...	...	388·1	19·3	39·4	...	...
Midnapore	Midnapore	...	15	6	...	...	...	30·1	43·2	...	...
Hughli	Hughli and Chinsurah ...	...	27	1	...	...	...	44·4	7·6	..	...
Serampore	Serampore	...	26	1	...	...	...	53·6	55·4	...	...
	Utterpara	...	3	...	...	...	...	29·3	...	...	...
Howrah	Howrah	...	46	18	...	...	...	35·1	45·6	...	...
	Bali	...	9	...	...	...	...	34·9	...	...	...
24-Pergunnahs	Suburbs of Calcutta	6	159	93	...	...	77·1	55·1	50·1	...	...
Nuddea	Kishnaghur	...	8	4	...	...	...	22·3	25·1	...	...
	Ranaghat	...	...	1	...	...	...	...	38·1	...	...
	Santipore	...	2	...	...	...	...	5·0	...	...	...
Jessore	Jessore	...	1	...	...	...	...	11·5	...	...	...
Rajshahye	Rampore Beauleah	...	10	7	...	...	...	62·5	37·1	...	...
Darjiling	Darjiling	...	1	...	...	...	...	11·3	...	...	...
Dacca	Dacca	...	16	8	...	...	...	20·6	10·8	..	...
	Narainganj	...	4	3	...	...	...	32·9	25·3	..	...
Chittagong	Chittagong	...	2	5	...	...	...	17·9	17·0	...	...
Tipperah	Comillah	...	7	1	...	...	...	61·2	7·0	...	...
Patna	Patna City	...	66	16	...	...	...	28·9	20·3	...	...
Gya	Gya	...	73	10	...	...	...	63·2	32·3	..	...
Shahabad	Arrah	...	19	10	...	...	...	31·9	41·9	...	...
Mosufferpore ...	Mosufferpore	...	5	4	...	...	...	8·7	16·7	...	...
Durbhanga	Durbhanga	...	22	6	...	...	...	23·6	17·8	...	...
Sarun	Chupra	...	6	2	...	...	...	7·6	8·7	...	...
Bhagulpore	Bhagulpore	...	41	12	...	...	...	53·6	38·2	...	...
Monghyr	Monghyr	...	32	7	...	...	...	37·2	29·0	...	...
Purneah	Purneah	1	...	6	...	...	311·4	...	55·1	...	..
Puri	Puri	...	20	...	...	...	...	42·4	...	...	...
	TOTAL ...	8	629	227	...	...	34·8	35·7	30·1	...	...

Age.

DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Ratio per 1,000 of Population per Annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	4	4	1	1	...	1	2	1	...	2	315·2	92·2	22·3	20·7	......	6·6	15·1	11·8	......	70·3
Midnapore	Midnapore	4	2	2	1	...	4	...	4	...	4	279·9	44·2	27·7	17·1	......	28·3	......	55·8	......	113·7
Hughli	Hughli and Chinsurah	3	2	4	2	1	6	2	2	3	3	163·4	39·0	59·7	34·4	17·5	40·7	14·8	20·2	47·3	62·2
Serampore	Serampore	2	8	3	1	...	3	2	5	1	2	146·5	230·5	62·1	23·4	......	29·0	20·9	77·1	27·2	74·8
	Utterpara	...	...	...	...	...	...	2	1	...	...	......	......	......	......	......	......	98·0	74·2	......	......
Howrah	Howrah	7	7	6	2	4	15	9	7	...	7	176·4	65·7	49·6	15·8	28·4	34·4	24·3	31·0	......	97·0
	Bali	2	2	...	...	...	...	3	2	...	...	257·3	104·1	......	......	......	......	55·9	53·7	......	......
24-Pergunnahs	Suburbs of Calcutta	37	31	4	8	18	40	39	23	20	38	403·8	99·8	10·5	23·2	53·0	35·8	39·4	35·2	61·3	138·8
Nuddea	Kishnaghur	1	...	2	1	...	2	1	...	3	2	104·8	......	30·3	18·5	......	21·6	12·1	......	74·0	60·2
	Ranaghat	...	...	...	...	...	...	1	...	...	...	......	......	......	......	......	......	41·7	......	......	......
	Santipore	...	...	...	...	...	...	...	...	...	2	......	......	......	......	......	......	......	......	......	53·0
Jessore	Jessore	1	...	...	...	...	...	...	...	...	...	268·0	......	......	......	......	......	......	......	......	......
Rajshahye	Rampore Beauleah	4	3	2	...	1	4	1	1	...	1	512·3	110·0	50·0	......	31·3	50·0	14·4	21·2	......	54·8
Darjiling	Darjiling	...	...	1	...	...	...	...	...	...	...	......	......	88·9	......	......	......	......	......	......	......
Dacca	Dacca	4	2	2	.	1	3	2	3	4	3	109·6	14·1	10·5	......	7·1	10·2	8·9	18·6	43·9	28·0
	Narainganj	1	...	...	...	..	1	1	4	..	...	156·4	......	......	......	......	19·5	24·3	149·3	......	......
Chittagong	Chittagong	1	2	...	...	.	...	1	3	...	...	92·4	52·9	......	......	......	......	15·6	69·1	......	......
Tipperah	Comillah	1	...	...	1	...	...	2	1	...	3	175·1	......	......	35·6	......	......	52·2	39·3	......	230·1
Patna	Patna City	6	17	7	1	3	9	11	4	11	13	72·4	60·6	21·6	3·6	14·0	16·2	24·6	11·0	40·5	48·9
Gya	Gya	10	17	...	4	...	9	5	8	12	15	290·5	139·1	......	30·9	......	31·8	20·4	48·6	94·9	151·9
Shahabad	Arrah	6	2	..	2	...	2	2	...	1	14	242·2	23·5	......	23·5	......	13·2	16·2	......	16·8	253·4
Mosufferpore	Mosufferpore	1	1	2	1	1	...	...	...	1	2	54·5	12·9	23·1	13·1	17·2	......	......	......	16·0	42·7
Durbhanga	Durbhanga	3	3	4	3	...	6	4	2	2	1	100·2	20·5	26·6	28·1	......	23·4	18·6	14·0	23·7	16·3
Sarun	Chupra	2	...	...	...	...	...	1	2	1	2	73·0	......	......	......	......	......	6·4	16·6	13·3	29·9
Bhagulpore	Bhagulpore	9	9	2	4	1	5	3	5	8	7	352·0	56·3	17·7	33·1	12·4	23·8	16·8	40·5	97·7	101·1
Monghyr	Monghyr	8	7	1	2	2	2	3	1	3	10	280·1	58·5	7·4	18·1	27·5	10·1	17·5	8·2	39·2	145·0
Purneah	Purneah	...	1	...	...	...	1	1	...	4	...	......	43·0	......	......	......	15·8	18·2	......	222·0	......
Puri	Puri	1	...	...	...	1	2	1	3	3	9	171·6	......	......	......	28·0	19·7	12·8	46·9	69·9	259·1
	TOTAL	118	120	43	34	33	115	99	82	77	143	202·4	56·9	17·1	15·4	17·2	23·1	22·5	26·6	42·1	98·4

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 26th November 1888.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Offg. Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 24th November 1888, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 24th November 1888.			Week ending Saturday, the 26th November 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	670	1,18,935	2,116	641	97,100	1,635
Jute	418	2,08,775	3,393	335	3,10,600	4,054
Firewood	148	58,525	919	160	88,100	1,264
Other articles	1,271	2,87,700	4,818	901	2,52,048	3,625
Total ...	2,507	6,73,935	11,246	2,037	7,47,848	10,578

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 17th November 1888, on 1,513¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated)	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	218,001	3,28,618 2 0	25,46,008 30	5,61,7[illegible] 5 0	15,278 3 0	9,03,029 10 0	67,953	84,726½	152,679½
Or per mile of railway		217 1 5		371 1 5	10 1 6	598 4 4	..	... ..	......
For previous 19 weeks of half-year	4,310,516	45,46,618 9 0	4,45,31,077 10	88,52,288 11 10	3,06,178 12 7	1,37,07,116 1 5	1,217,592½	1,517,316½	2,734,909
Total for 20 weeks	4,[illegible],507	48,75,2[illegible]8 11 0	4,70,77,170 0	94,14,022 0 10	3,21,456 15 7	1,46,12,745 11 5	1,285,545½	1,602,043½	2,887,588½
Comparison.									
Total for corresponding week of previous year	223,[illegible]0½	3,03,131 11 4	25,28,128 20	5,92,1[illegible]8 15 6	20,725 14 6	9,15,984 9 4	63,429	89,899	153,328
Per mile of railway corresponding week of previous year		200 4 0		391 2 8	13 11 1	605 1 0		... ..	......
Total to corresponding date of previous year	4,877,188	51,77,750 5 3	4,40,12,051 0	96,58,721 2 8	3,52,360 8 8	1,51,88,847 0 6	1,302,362	1,643,773	2,946,135

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 19th November 1887			Receipts for week ending 17th November 1888			Total receipts from 1st April 1887 to 19th November 1887			Total receipts from 1st April 1888 to 17th November 1888			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,513¾	9,15,98[illegible]	[illegible]	1,513¾	9,05,610	598	1,513¾	2,7[illegible],96,398	552	1,513¾	2,62,92,430	526	......	13,03,968

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 17th November 1888, on 57⅛ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	14,259	8,557 1 0	37,0[illegible] [illegible]0	2,710 1 0	45 12 0	11,312 14 0	1,649	745	2,394
Or per mile of railway	249½	149 9 7	[illegible]48 20	47 6 1	0 13 0	197 12 5	.. ..	......	......
For previous 19 weeks of half-year	241,198	1,33,198 12 0	7,61,[illegible] 20	44,917 11 0	579 11 3	1,78,696 2 3	34,770	13,184	47,954
Total for 20 weeks	255,457	1,41,755 13 0	7,98,150 10	47,627 12 0	625 7 3	1,90,009 0 3	36,419	13,929	50,348
Comparison.									
Total for corresponding week of previous year	9,816	4,571 7 7	54,205 0	2,516 4 0	24 12 3	7,112 7 10	1,011	1,549	2,560
Per mile of railway corresponding week of previous year	172	79 14 9	947 30	43 15 10	0 6 11	124 5 6	...	.. ..	......
Total to corresponding date of previous year	293,041½	1,57,290 6 6	7,30,545 0	47,870 14 0	658 1 9	2,05,825 6 3	37,509	12,885	50,394

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 19th November 1887.			Receipts for week ending 17th November 1888.			Total receipts from 1st April 1887 to 19th November 1887.			Total receipts from 1st April 1888 to 17th November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Receipts.	Per mile worked	Mean mileage worked	Total receipts.	Per mile worked per week	Mean mileage worked	Total receipts	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57⅛	7,113	124	57⅛	11,313	198	57⅛	3,24,987	172	57⅛	3,03,933	161	...	21,054

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 17th November 1888, on 12 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,672	448 14 0	14,507 10	330 0 0	7 5 0	786 3 0	409½	84	493½
Per mile of railway	......	37 6 6	......	27 8 0	0 9 9	65 8 3	......	......	......
For previous 19 weeks of half-year	51,690	8,669 5 0	1,34,684 10	2,896 12 0	97 1 9	11,663 2 9	7,837½	1,773	9,610½
Total for 20 weeks ...	54,362	9,118 3 0	1,49,191 20	3,226 12 0	104 6 9	12,449 5 9	8,247	1,857	10,104
Comparison.									
Total for corresponding week of previous year	2,320½	384 15 0	23,907 0	599 15 0	2 14 0	987 12 0	332	161	493
Per mile of railway corresponding week of previous year ...	......	32 1 3	......	49 15 11	0 3 10	82 5 0	......	......	......
Total to corresponding date of previous year	56,116	9,351 10 10	2,04,240 30	4,524 3 0	135 15 6	14,011 13 4	7,930	2,042	10,001

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 19th November 1887.			Receipts for week ending 17th November 1888.			Total receipts from 1st April 1887 to 19th November 1887.			Total receipts from 1st April 1888 to 17th November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	988	82	12	786	66	12	28,613	73	12	28,523	72	......	01

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 17th November 1888, on 74⅗ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	5,520	4,149 11 0	58,615 0	2,308 9 0	89 9 0	6,547 13 0	679	672	1,351
Or per mile of railway	......	55 7 7	......	30 13 10	1 3 2	87 8 7	......	......	......
For previous 19 weeks of half-year	93,056	62,379 13 0	13,64,021 20	45,757 14 9	1,231 9 9	1,09,369 5 6	12,862½	18,470¾	31,333¼
Total for 20 weeks ...	98,576	66,529 8 0	14,22,636 20	48,066 7 9	1,321 2 9	1,15,917 2 6	13,541½	19,142¾	32,684¼
Comparison.									
Total for corresponding week of previous year	4,547	3,496 6 9	1,17,140 0	6,588 4 0	42 0 6	10,126 11 3	709	2,336	3,045
Per mile of railway corresponding week of previous year	......	46 11 11	......	88 1 3	0 9 0	135 6 2	......	......	......
Total to corresponding date of previous year	105,809½	79,704 8 10	19,76,164 30	84,420 5 0	1,936 15 6	1,66,061 13 4	14,182	32,169	46,351

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 19th November 1887.			Receipts for week ending 17th November 1888.			Total receipts from 1st April 1887 to 19th November 1887.			Total receipts from 1st April 1888 to 17th November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74⅗	10,127	135	74⅗	6,548	88	74⅗	2,80,065	113	74⅗	2,22,785	90	......	57,280

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 17th November 1888, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	To
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,880	4,242 10 0	7,119 10	301 12 0	6 0 0	4,550 6 0	910	58	96
Or per mile of railway	......	190 10 11	......	13 9 0	0 4 3	204 8 2	......	......	...
For previous 19 weeks of half-year	320,985	77,929 3 0	84,832 20	3,188 6 0	115 1 9	81,232 10 9	17,624	856	18,48
Total for 20 weeks ...	337,865	82,171 13 0	91,951 30	3,490 2 0	121 1 9	85,783 0 9	18,534	914	19,44
Comparison.									
Total for corresponding week of previous year	16,846	4,289 14 11	6,822 0	279 9 0	3 0 0	4,572 7 11	908	60	96
Per mile of railway corresponding week of previous year ...	......	192 12 11	......	12 9 0	0 2 2	205 8 1	......	......	......
Total to corresponding date of previous year	353,300½	87,074 10 6	88,591 10	3,804 13 0	101 8 6	90,481 0 0	18,862	970	19,83

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 19th November 1887.			Receipts for week ending 17th November 1888.			Total receipts from 1st April 1887 to 19th November 1887.			Total receipts from 1st April 1888 to 17th November 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	4,572	206	22¼	4,550	205	22¼	1,67,550	228	22¼	1,69,112	230	1,562	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 10th November 1888, on 673 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*a* 164,770	75,380 0 0	5,28,720 0	1,45,020 0 0	13,700 0 0	2,34,100 0 0	25,176	31,907	57,083
Or per mile of railway	245	112 0 0	786 0	215 0 0	†5 0 0	332 0 0	......	......	......
For previous 18 weeks of half-year	2,289,572	10,45,612 0 0	1,18,48,539 0	28,94,755 0 0	2,85,839 0 0	*42,26,206 0 0	403,767	509,526	913,293
Total for 19 weeks ...	2,454,342	11,20,992 0 0	1,23,77,259 0	30,39,775 0 0	2,99,539 0 0	44,60,306 0 0	428,943	541,433	970,376
Comparison.									
Total for corresponding week of previous year	116,651	61,334 0 0	6,43,276 0	1,66,153 0 0	22,044 0 0	2,49,531 0 0	21,429	26,677	48,106
Per mile of railway corresponding period of previous year ...	181	95 0 0	907 0	258 0 0	†15 0 0	368 0 0	......	......	......
Total to corresponding date of previous year	2,341,298	10,67,637 0 0	1,11,53,431 0	24,77,232 0 0	2,92,575 0 0	38,27,444 0 0	405,341	444,618	849,959

* Audited up to week ending 29th September 1888.
† Excluding steamer earnings.
a Including monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 12th November 1887.			Receipts for week ending 10th November 1888.			Total receipts from 1st April 1887 to 12th November 1887.			Total receipts from 1st April 1888 to 10th November 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	2,19,531	387	673	2,34,100	348	645	56,74,448	275	673	*64,05,777	297	7,31,329	......

* Audited up to week ending 29th September 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 10*th November* 1888, *on* 125 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*a*28,933	9,670 0 0	40,590 0	3,910 0 0	50 0 0	13,630 0 0	3,813	1,859	5,672
Or per mile of railway	231	77 0 0	325 0	31 0 0	1 0 0	109 0 0	......	......	......
For previous 18 weeks of half-year	452,980	1,47,499 0 0	11,12,203 0	1,17,830 0 0	1,530 0 0	*2,66,859 0 0	68,802	40,218	109,020
Total for 19 weeks ...	481,913	1,57,169 0 0	11,52,793 0	1,21,740 0 0	1,580 0 0	2,80,489 0 0	72,615	42,077	114,692
Comparison.									
Total for corresponding week of previous year	22,588	7,764 0 0	41,154 0	4,404 0 0	37 0 0	12,205 0 0	3,086	1,524	5,210
Per mile of railway corresponding period of previous year ...	181	62 0 0	329 0	35 0 0	1 0 0	98 0 0	......	......	......
Total to corresponding date of previous year	479,417	1,56,032 0 0	8,43,818 0	84,327 0 0	2,514 0 0	2,42,873 0 0	71,063	32,617	103,680

* Audited up to week ending 29th September 1888.
a Includes monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 12th November 1887.			Receipts for week ending 10th November 1888.			Total receipts from 1st April 1887 to 12th November 1887.			Total receipts from 1st April 1888 to 10th November 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	12,205	98	125	13,630	109	125	4,18,859	105	125	*4,42,291	111	23,432	......

* Audited up to week ending 29th September 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 10*th November* 1888, *on* 86 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,300	5,370 0 0	29,310 0	2,800 0 0	310 0 0	8,480 0 0	2,686	418	3,104
Or per mile of railway	178	62 0 0	341 0	33 0 0	4 0 0	99 0 0	......	......	......
For previous 18 weeks of half-year	231,230	75,201 0 0	3,13,309 0	22,236 0 0	3,741 0 0	*1,01,178 0 0	45,769	11,470	57,239
Total for 19 weeks ...	246,530	80,571 0 0	3,42,619 0	25,036 0 0	4,051 0 0	1,09,658 0 0	48,455	11,888	60,343
Comparison.									
Total for corresponding week of previous year	13,788	4,550 0 0	26,772 0	2,419 0 0	226 0 0	7,195 0 0	2,639	325	2,964
Per mile of railway corresponding period of previous year ...	160	53 0 0	311 0	28 0 0	3 0 0	84 0 0	......	......	.....
Total to corresponding date of previous year	219,872	71,665 0 0	2,71,813 0	22,973 0 0	2,898 0 0	97,536 0 0	50,987	7,335	58,322

* Audited up to week ending 29th September 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 12th November 1887.			Receipts for week ending 10th November 1888.			Total receipts from 1st April 1887 to 12th November 1887.			Total receipts from 1st April 1888 to 10th November 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	7,195	84	86	8,480	99	86	1,63,295	59	86	*1,74,523	63	11,228	......

* Audited up to week ending 29th September 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 10th November 1888, *on* 38 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,740	870 0 0	37,120 0	3,290 0 0	40 0 0	4,200 0 0	532	532	1,064
Or per mile of railway ...	72	23 0 0	977 0	87 0 0	1 0 0	111 0 0	......	......	......
For previous 18 weeks of half-year	52,922	17,915 0 0	4,67,517 0	33,789 0 0	601 0 0	*52,305 0 0	9,692	9,692	19,384
Total for 19 weeks ...	55,662	18,785 0 0	5,04,637 0	37,079 0 0	641 0 0	56,505 0 0	10,224	10,224	20,448
Comparison.									
Total for corresponding week of previous year	2,802	970 0 0	6,854 0	606 0 0	65 0 0	1,650 0 0	546	546	1,092
Per mile of railway corresponding period of previous year	72	25 0 0	176 0	16 0 0	1 0 0	42 0 0	......	......	.....
Total to corresponding date of previous year	58,337	20,397 0 0	1,51,314 0	12,112 0 0	817 0 0	33,326 0 0	10,906	10,530	21,436

* Audited up to week ending 29th September 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

Receipts for week ending 12th November 1887.			Receipts for week ending 10th November 1888.			Total receipts from 1st April 1887 to 12th November 1887.			Total receipts from 1st April 1888 to 10th November 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
39	1,650	42	38	4,200	111	39	73,403	59	38	*1,00,542	83	27,139	......

* Audited up to week ending 29th September 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 17th November 1888, *on* 27¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,543	988 0 0	12,697 0	694 0 0	15 0 0	1,697 0 0	509	254	763
Or per mile of railway ..	93	36 0 0	466 0	25 0 0	1 0 0	62 0 0	.....	......	......
For previous 19 weeks of half-year	57,044	20,125 0 0	2,05,897 0	12,168 0 0	1,580 0 0	33,873 0 0	9,671	7,020	16,691
Total for 20 weeks ..	59,587	21,113 0 0	2,18,594 0	12,862 0 0	1,595 0 0	35,570 0 0	10,180	7,274	17,454
Comparison.									
Total for corresponding week of previous year	2,780	1,000 0 0	6,533 0	414 0 0	29 0 0	1,443 0 0	509	254	763
Per mile of railway corresponding week of previous year ..	102	37 0 0	240 0	15 0 0	1 0 0	53 0 0	......	......	......
Total to corresponding date of previous year	62,342	21,839 0 0	1,72,096 0	10,607 0 0	360 0 0	32,806 0 0	10,362	6,250	16,612

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 19th November 1887.			Receipts for week ending 17th November 1888.			Total receipts from 1st April 1887 to 19th November 1887.			Total receipts from 1st April 1888 to 17th November 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	1,443	53	27¼	1,697	62	27¼	56,103	63	27¼	61,998	69	5,896	......

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 10th November 1888	11,011
Corresponding week last year	13,567
Decrease	2,556
Receipts from 1st July to 10th November 1888	2,23,393
From 1st July to 12th November 1887	1,89,543
Increase	33,850

	Miles.
Miles open week ending 10th November 1888	51
Corresponding week last year	51

	Rs.	A.	P.
Receipts per mile open week ending 10th November 1888	215	14	5
Corresponding week last year	266	0	6
Decrease	50	2	1

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